GOVERNMENT
OF THE
NORTH-WEST FRONTIER PROVINCE.

PROGRESS REPORT

ON

FOREST ADMINISTRATION

IN THE

North-West Frontier Province

for the year ending

31st March, 1953

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REVIEW ON THE ANNUAL PROGRESS REPORT ON FOREST ADMINISTRATION IN THE NORTH-WEST FRONTIER PROVINCE FOR THE YEAR ENDING 31st MARCH, 1953.

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Mr. Taj Muhammad Khan held charge of the office of the Conservator of Forests during the year under review except for a short break from 31st July, 1952 to 26th September, 1952 caused by his deputation abroad.

2. Except for deferment of sales in the Galis for want of reasonable offers, the prescriptions of the working plan were carried out to a large extent. The Provincial Government approved the revised working plan of Upper Siran Forest extending over a period of 15 years (1949-50 to 1963-64.). No preliminary working plan reports were drawn up during the year.

3. The year under report was not a good seed year for coniferous species. However except for Khan pur forests where progress was hampered by natural calamities, elsewhere the existing re-generation made some headway and the new re-generation came out satisfactorily.

4. A further area of 12,372 acres of private owned land was voluntarily offered and accepted for closure, thus bringing the total acreage under voluntary closure to 64,756.

5. It is noted with regret that conservancy measures could not be applied on systematic lines for the Guzaras of the Hazara district and the Upper Tanawal forests for alleged want of demarcation by the Revenue Authorities.

6. The three agricultural development schemes being implemented by the Forest Department on shared basis for raising Khair and walnut trees and to re-afforest Rakh Sheikh Bud Din were executed according to the approved programme. 26 miles of the Paharpur Canal, 46 miles of the minor canals and the distributories in the Upper Swat Canal were planted up during the year.

7. It is noted with satisfaction that the working of the year resulted in a net income of Rs. 8,10,735 as against the deficit of Rs. 5,498 sustained in the year ending 31st March, 1952. This figure of net income also compares favourably with the few preceding years excepting the years 1948-49 and 1950-51 which registered net profits of Rs. 10,98,337 and 10,98,574 respectively.

8. The forest offences registered a decrease of two thousand cases as compared with last year's figures, the total being 12,885 as against the total of 14,885 cases last year. This decrease in forest offences, though slight, is a healthy sign for the future.

9. 54 cases of fire were reported during the year resulting in the destruction of 3,460 acres out of the total acreage of 95,529 under fire protection. This figure compares unfavourably with the figure of last year which was 1,207 acres. It is hoped that the department will take adequate fire-protection measures for the future.

AMANULLAH *KHAN*,
Joint Secretary to Government,
North-West Frontier Province,
Development Department.

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NOTE.—The figures in brackets immediately following the figures of the year under report are the previous years figures.

PROGRESS REPORT ON FORESTS ADMINISTRATION IN THE NORTH-WEST FRONTIER PROVINCE FOR THE YEAR ENDING 31st MARCH, 1953.

CHAPTER I.

CONSTITUTION OF STATE FORESTS.

SECTION I.—ALTERATION IN AREAS.

Area of Forests (Form No. 7).—

1. There was no change in the forest areas during the year.

2. Rakh Topi in the Kohat District comprised of 6,850 acres was declared as Reserved Forests during the year vide Notification No. 12000 DD., dated the 15th July, 1953. The following statement shows the various classes of forests administered by the Forest, Civil and Defence Departments under the Hazara Forest Act and Forest Act, 1927 (XVI of 1927).

Class of forests	Area on the 1st April, 1952		Added	Excluded	Area on the 31st March, 1953	
	Acres	Sq. Miles	Acres	Acres	Acres	Sq. Miles
Departmental Reserved. Forsets	189,883	296.69	6,850	..	196,733	307.39
Departmental Guzara Forests.	310,366	484.95	..	..	310,366	484.95
Departmental Unclassed Forests.	..	..	..	..	..	..
Military Reserved Forests.	4,469	6.98	..	..	4,469	6.98
Civil Reserved Forests.	2,239	3.50	..	..	2,239	3.50
Military Un-classed Forests.	7,064	11.04	..	..	7,064	11.04
Civil Un-classed Forests.	88,486	138.26	..	6,850	81,636	127.56
Total ..	602,507	941.42	6,850	6,850	602,507	941.42

SECTION II—FOREST SETTLEMENT.

Form No. 8.—

3. Settlement operations of Rakh Sheikh Buddin comprised of 44,773 acres falling partly in Dera Ismail Khan and in part in Bannu District

were completed. Out of these 38,336 acres were proposed for reservation. The final declaration about the reservation, however could not issue during the year.

Form No. 9.—

4. The length of the artificially demarcated boundaries at the close of the year was 994 (893) Miles. The increase of 101 miles was on account of demarcation at a cost of Rs. 3,045 of Rakh Topi, Bundkorai, Shahkot, and in anticipation of publication of its reservation notification of Rakh Sheikh Buddin since taken over for management. The cost of repairs amounted to Rs. 3,097 (3,917) or Rs. 14-15-4 (3-12-9) per mile. The work consisted of repairs to 1,420 (1,572) pillars and checking cutting and clearing 42 (31) miles of the boundary line. In addition Rs. 1,276 (373) were spent on demarcation of the area taken over for closures on voluntary basis for Anti Erosion purpose. The total under this sub-head amounted to Rs. 7,418.

Form No. 10.—

5. No new survey was undertaken during the year.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

SECTION I—Regulation of Management.

(a) Preparation and control of regular working plan.

Form No. 11.—

6. With the exception of Rakh Mankorai (Galis Forest Division), Khwara Reserved Forests (Northern Forest Division), Hangu-Broka Ranges, Rakh Miran and Rakh Topi (Kohat Forest Division) which are not yet ready for systematic management all the Reserved Forests were managed under a regular sanctioned working plan.

7. The deviations from the prescription of the sanctioned working plan were ;—

Name of Plan	Species	Excess or deficit at the end of 1952-53
		Rs.
Galis ..	Blue Pine, Fir, Chir, and Deodar.	(—)822,370
Upper Siran ..	Deodar, Blue Pine, Chir and Fir.	199,349
Lower Siran and Agror ..	(i) Regeneration Block ..	(—)30,180
	(ii) Rest of working circle..	(—)167,690
Kagan Selection working circle.	(i) Deodar and Blue Pine..	(—)1,066,510
Fir working circle ..	(ii) Fir and Spruce	(—)336,000

Galis Working Plan.—
The deficit under the Galis Working Plan was due to the postponement of the sales for want of receipt of reasonable offers from the Tenderers.

Upper Siran Working Plan.—
The excess was caused due to the removal of the trees invitably in supplementary marking on silvicultural grounds.

Lower Siran and Agror Working Plan.—
The deficit was due to the cancellation of the sale for the reasons of the purchasers, going into defaults with no time left to arrange resale.

Kagan Working Plan.—
The deficit was due to the fact that the sale of the Kagan lease could not be effected for want of receipt of reasonable offers.

For want of the trained field staff to collect data for the revision of the working plan, the work of revision of the working plan remained in suspension.

The draft Giddarpur Guzara Working Plan remained under scrutiny.

The provisional approval by the Provincial Government to the revised working plan of Upper Siran Forests for 15 year 1949-50 to 1963-64 was received during the year.

(b) Preliminary working plan reports.

8. No preliminary working plan report was drawn during the year.

SECTION II—COMMUNICATION AND BUILDINGS.

(a) Roads and Paths.

New Works (Form No. 12).—

9. $7\frac{3}{4}$ miles inspection path was constructed in Khawara Reserved Forest at a cost of Rs. 4,200.

Repairs (Form No. 12).—

10. 515 miles (582) roads and paths were repaired during the year at a cost of Rs. 30,357 (24,957, or an average of Rs. 58-15-2 (42-14-0) per mile. The rise in expenditure per mile during the year was due to the special repairs carried out to Kappi Gali to Kund bridle path.

(b) Buildings.

New Works (Form No. 12).—

11. Rs. 37,377 (25,277) were spent on the construction of the new buildings as under :—

(a) Balance portion of Shogran Guest House was completed at a cost of Rs. 16, 360. In addition Rs. 5,529 expended towards the provision in part of the arrangement for the water supply in the Guest House.

(b) Range and Foresters quarters at Garhi Habibullah (Rs. 9,500) Foresters quarters at Lalogali Rs. 3,005 and Foresters quarters at Ghazi (Rs. 2,983) were the new construction completed during the year.

Repairs (From No. 12).—

12. Rs. 20,198 (Rs. 20,474) were spent on repairs to the various buildings already in existence.

(c) Miscellaneous.

13. No new work was carried out. The maintenance of the compounds cost Rs. 6,933 (6,693).

14. The total expenditure on communication and buildings amount to Rs. 99,062.

SECTION III—PROTECTION OF FORESTS.

(a) *General Protection.*

Forest Offence (Form No. 13 and Statistical Appendix I).—

15. Twelve thousands eight hundred and eighty five (14,885) cases were reported as compared with 11,433 (8874) the average of the past three years 1949-50 to 1951-52. The statement below compares in detail by division the offences under the various heads ;—

Division	Fire Cases 1951-52	Fire Cases 1952-53	Unauthorised felling 1951-52	Unauthorised felling 1952-53
Galis ..	..	..	1,642	2,207
Kagan ..	..	..	205	288
Northern ..	..	..	314	1
Kohat ..	..	..	73	113
Guzara ..	..	..	2,092	1,479
H. A. E. ..	..	..	34	29
Mardan ..	..	..	11	..
Working Plan ..	12	..	427	234
Total ..	12	..	4,798	4,351

Division	Unauthorised grazing 1951-52	Unauthorised grazing 1952-53	Other Offences 1951-52	Other Offences 1952-53	Total 1951-52	Total 1952-53
Galis ..	2,756	1,448	1,854	1,399	6,252	5,054
Kagan ..	330	348	587	625	1,122	1,261
Northern ..	362	216	191	393	867	610
Kohat ..	225	291	..	1	298	405
Guzara ..	..	..	1,491	1,490	3,583	2,969
H. A. E. ..	524	362	262	684	820	1,075
Mardan ..	546	431	86	132	643	563
Working Plan ..	219	17	642	697	1,300	948
Total ..	4,962	3,113	5,113	5,421	14,885	12,883

The offences reported show a decrease of 1,198 cases in the Galis Forest Division 257 cases in the Northern Forest Devision,614 cases in the Guzara Forest Division, Shergarh Range, 80 cases in Mardan Forest Division and 352 cases in Working Plan Forest Division, and increase of 139 cases in Kagan Forest Division, 107 cases in Kohat, and 255 cases in Hazara Anti Erosion Division, resulting in net decrease of 2,000 cases as compared with previous year. The decrease mainly occurred in the Galis, Guzara, and Working Plan Forest Divisions due to mainly better protection, and change in the attitude of the people with regard to Forest Offences in private forest taken over for management.

Cases taken into Court (Form No. 13 and Statistical Appendix I).—

16. 6,228 (6,090) cases were taken into Court as compared with 4,620 (3,786) the average of the past three years. The increase in the number of cases taken to court was due to failure on the part of the offenders to compound the offences. The nature of the offences comitted is given in column 2 and 5 of the Statistical Appendix I.

Including 7,603 (7,622) cases pending from the previous year there were 13,831 (11,863) cases before the court during the year. Of these 1511 (4,227) cases were decided. Conviction was obtained in 1,323 (4,176) cases or 88 percent. 188 (51) resulted in acquittals leaving 12,320 cases pending at the close of the year.

Cases compounded (Form No. 13 and Statistical Appendix).—

17. The number of cases compounded was 6,909 (7,622) involving 8,780 (11,967) persons.21 (82) were decided in acquittals. The total amount of compensation realized amounted to Rs. 26,597 (30 ,762). The average compensation per case, and per person being Rs. 3-13-7 (4-0-7) and Rs. 3-0-6 (2-9-2) respectively.

Protection from Fire.

Protection Measures (Form No. 14).—

18. The total area under fire protection was 95,529 (95,529) acres. Out of this 3,460 (1,207) or 3 per cent. was burnt. The total expenditure on fire protection was 3,168 (3,385) Rs. 1,954 were spent on the protection of Reserved Forests, and 1,214 on the protection of Guzara.

Number and causes of Fires (Form No. 15). —

19. Fifty Four (75) cases of fires burning 9,132 (28,275) were reported. 1 (10) fire was accidental or through carelessness burning 460 (1,239) acres. 12 (12) fires entered the Forests by crossing the exterior fire tract burning 4,076 (5843) acres. 22 (19) fires were caused by the travellers passing through the Forests burning 3809 (4,209) acres. 10 (34) fires were intentional burning 278 (16,903) acres in order to obtain new grass. 1 (—) fire was malaciously set burning 400 (—) acres. The case remained under enquiry before institution into the court till the end of the year.

Fire Cases-Statistical Appendix II.—

20. No new fire case was challaned in the court. Two cases pending from the previous year remained undecided till the close of the year.

(c) Protection from Cattle.

Area closed and open to grazing (Form No. 16).—

21. Out of the total area of 307 (298) square miles 112 (112) squire miles or 36.48 (37.58) were entirely closed to grazing of cattle. 185 (174) or 60.26 (58.39) per cent. were entirely closed to browzing by camel, sheep and goats while 4 (4) squire miles or 1.30 (1.34) per cent. were entirely open to grazing of all animals throughout the year. 6 (6) 1.96 miles of forests were open to the grazing animals other than camel, sheep and goats for part of the year. The greater part of the area closed to grazing was open to grass cutting.

Animals grazed (Form No. 17).—

22. The total number of animals recorded to have grazed and browsed over an area of 195 (184) sq. miles was 22,628 (28,640). These figures do not include the animals admitted into the forests under grazing leases of which no record is kept, and therefore do not represent the true grazing incidence which based on the figures recorded is 5.52 (4.16) acres per animal.

23. The revenue realized from grazing and grass cutting was Rs. 7,342 (Rs. 7,673) against Rs. 8,276 (Rs. 11,767) the average of past three years. In addition free grazing and grass cutting was enjoyed by right holders and free grantees to the estimated value of Rs. 1,41,663 (Rs. 1,41,663).

24. The number of cattle impounded was 5,194 (4,045) against 3,103 (2123) the average of the past three years.

(d) Protection against injury from natural causes.

25. The damage from Voles and Rats continued. The monkeys damaged the seed, as well as seedling of the various species.

CHAPTER III

SILVICULTURE.

SECTION I—SYSTEM OF MANAGEMENT.

26. There has been no change in the system of management of forests.

SECTION II—REGENERATION AND AFFORESTATION

(a) Mainly natural.

(i) Concerntrated.

27. Form No. 18 and statistical appendix III show the progress of regeneration under the various system of management.

The year under report was not a good seed year for coniferous spices. Except for Khanpur Forests where due to the prolonged drought and accidental fires, the progress was greatly hampered, the existing regeneration made headway, und the uew regeneration come out quite satisfactorily. In the brush-wood working circle sanatha is filling the blanks, but the regeneration of olive, Phulahi and Khair is scare.

28. The state of regeneration in Giddarpur Guzara managed under the regular working plan was very satisfactory in the regeneration block. In the compartments allotted to P. B. IV the regeneration is almost uniformally established. Out of the total area of 2,849 acres alloted to the regeneration block 2,500 acres have been covered with established regeneration.

(ii) Not Concentrated.

29. The natural regeneration of Blue Pine both in the Galis and Kagan worked under group system was very satisfactory. The regeneration of Deodar was however not upto the standard.

The Fir was seen coming out under the shade of broad leaved species. though elsewhere its regeneration was still a problem.

30. In order to induce the new regeneration to come out, and the existing regeneration to make headway, subsidiary processes of collection and burning of debries over 3,522 acres, and cutting back of the brushwood to remove overhead shade of bushes was done over 716 acres in Kagan.

31. In Guzara Forests as in the case of the Reserve, the regeneration of Fire was not satisfactory. In guzaras subjected to the moderate firing, and where the canopy was suitably open the regeneration was fair. In Mansehra Tehsil the regeneration of Chir in the Guzaras was encouraging over most of the areas. In Khanpur Tehsil the regeneration of Chir however was not satisfactory while the regeneration of Blue Pine was satisfactory in the Guzara on the whole. The Deodar did not come out satisfactorily in the Upper Siran Valley.

32. In scrubs zone sanatha reproduced itself very fairly. Phulai, and Kau have not been able to keep pace with the removal with the result that at places they look exterminated.

33. In the Northern Forest Division due to the prolonged drought the seedlings did not make headway nor the new regeneration come out satisfactorily.

34. In Kohat Forest Division the natural regeneration in Hangu Baroka scrub forests was satisfactory.

(b) Mainly Artificial.

35. During the year under report the areas under the plantation working circle and some of the very open areas under the protection working circle were planted with 62,100 cuttings of willow, Ailenthus, Poplar, and Walnut. Besides 200 acres were dibbled with walnut seed, and 500 acres sown with Khair seed in implementation of the approved Development Schemes discussed in Appendix C.

36. In Kagan Forest Division 270 acres of the Forest area were dibbled with walnut seed under the normal cultural programme for the propagation of this species. In addition 170 acres of the area was sown with walnut seed under an approved programme in implimentation of the Development Scheme. The Nursery in Nagan Compartment 8 was maintained.

37. 160 acres of Khawara Reserved Forests were sown with 4 maunds 15 seers of Zizyphus, Jujubam, Phulai, P. Juliflora and Acacia Arabica seed, and 30 acres planted with Shisham, Mulbery and Giris cuttings.

38. In Kohat Forest Division 800 acres of Rakh Shahkot and Bund korai and 26 miles of Paharpur Canal were sown or planted with Babul 148 acres of Rakh Sheikh Buddin being re-afforested on shared basis as approved Development Scheme were sown with seed. The Babul sowing in Bundkorai and Shahkot how ever received serious set back due to inundation.

39. 219 acres of the burnt area of Kawai, and Paras Guzara were sown with Deodar, Blue Pine, Horse-Chestnut and Walnut seed. In addition in implementation of the approved Central Provincial Shared Development Schemes for 5 year. 160 acres of the Guzaras laid down were dibbled with walnut seed with encouraging results.

40. Sowing in trenches of suitable local species was done throughout in Hazara District as soil conservation, and Antiersosion measures. The results obtained were satisfactory.

Reclamation and Afforestation.—

41. It is not seriously required in reserved forests. However Anti-erosion and soil conservation measures were carried in all Districts of the Province, and forms a separate appendix on the subject.

SECTION III—TENDING.

42. In Kagan Forest Division thinnig was done over 413 acres in the Rest of the Working Circle in Lower Siran and Agror Ranges.

43. In Kagan Forest Division weeding and shrub cutting was done over 496 acres in Lower Kagan and over 120 acres in Upper Siran Range, with cleaning over 30 acres. In areas taken over for conservation on voluntary basis weeding was done over 1,316 acres.

44. An area aggregating to 2,816 acres was burnt in the Regeneration Block of Lower Siran and Agror Ranges (Kagan Forest Division) in order to safe-guard the regeneration against the hazard of summer fires.

SECTION IV—NURSERIES.

45. The existing nurseries were maintained.

CHAPTER IV.

SECTION I—System of Management.

Sub-Section (a) Major Forest Produce.—

46. The following statement shows by divisions the areas in acres worked under the different systems of management :—

Division		Selection	Shelter wood		Improvement felling	Clear felling	Total
			Main felling	Subsidiary felling			
Galis	..	..	..	..	..	..	..
Kagan	..	2,306	590	998	..	..	3,894
Total for 1952-53	..	2,306	590	998	..	..	3,894
Total for 1951-52	..	2,255	189	..	999	..	3,443

The variation from the figures of the previous year was due to the more sales from the Kagan Forest Division from forests managed under both the selection as well as shellterwood system, as compared with the previous year when there was slump in the market.

Sub-section (b) Minor Forest Produce.—

47. Extraction of resin from the Government Reserved Forests in Lower Siran, Agror, Sataura, and Khanpur Range, was as usual done departmentally and outturn sold to the Jallo Rosin and Turpentine Factory, Lahore. 211,816 (220,196) trees were tapped, 240,979 (250,097) blazes were set up which yielded 13983 (16172) maunds of crude resin. The yield worked to 58 maunds 0 seers and 13 chattanks (64 maunds 24 seers and 8 chattanks) per thousand blazes. The average cost per maund come to Rs. 5-13-7 (6-3-3). The decrease of annas five and pies eight on account of cost of collection was due to less expenditure on the collection, and rents charges.

48. The other kinds of minor produce were extracted as usual mainly by the purchasers, and the right-holders.

SECTION II—Agencies of Exploitation.

Sub-section (a) Departmental Agency (Form No. 19 and 20).—

49. The following statement compares the produce extracted departmentally with the quantities extracted during the previous year, and

average of the past three years ;—

Year	Timber		Fire-wood		Minor produce		Total value of disposal
	Extracted Cubic feet solid in thousands	Percentage of total outturn	Extracted cubic feet solid in thousands	Percentage of total outturn	Extracted	Percentage of total outturn	
					Rs.		Rs.
1952-53 ..	5	·5	70	2·7	1,58,036	51·5	1,79,338
1951-52 ..	14	1·4	51	1·9	1,82,261	94	1,93,161
Average of last 3 years 1949-50 to 1951-52.	9	·8	53	1·1	2,03,081	80	2,23,489

The decrease in timber was due to less demand for timber for use departmentally. The increase in firewood was due to more demand for firewood extracted departmentally in the Galis. The decrease in the value of minor forest produce was due to less collection, and supply of resin to Jallo Rosin and Turpentine Factory, Lahore, for reduction in demand by the Factory due to the difficulties of disposal and ommission of many forests for the reason that tapping but the health of the trees adversely resulting in dryness in many cases.

50. The average cost of resin per maund was made as under :—

	1951-52	1952-53
	Rs. as. ps.	Rs. as. ps.
1. Collection charges	2 14 8	2 6 0
2. Carriage from Forests to Rail Head ..	0 8 5	0 13 10
3. Carriage by Rail to Jallo	..	..
4. Setting up crop and raising lips	0 8 0	0 7 0
5. Packing charges including cost of containers and tools ..	1 2 0	1 0 9
6. Establishment Charges	1 0 0	1 0 0
7. Tents	0 2 2	0 0 9
Total ..	6 3 3	5 13 7

Sub Section (b) Purchasers.—

51. The following statement compares the produce extracted by the purchasers and its value with the figures of the last year, and average of the past three years.

Year	Timber			Firewood			Minor produce	
	Extracted cubic feet in solid thousands	Percentage of total outturn	Value	Extracted cubic feet in solid thousands	Percentage of total outturn	Value	Value	Percentage of total outturn
			Rs.			Rs.	Rs.	Rs.
1952-53 ..	861	87·2	5,66,133	15	·5	2,371	7,250	2·3
1951-52 ..	574	59	3,02,575	·1	..	1,928	7,826	2
Average of the past three years 1949-50 to 1951-52.	905	80	7,99,712	26	3·1	12,348	7,914	2·3

52. The increase in the timber, and firewood as compared with the last year was due to less sales during 1951-52 for want of receipt of reasonable offers. The decrease under minor produce was due to decrease in the value of grass cut on permit for the reason of the poverty of crop.

Sub-section (c) Right holders and Free Grantees.—

53. The estimated quantities, and value of the Forest produce consumed by the right holders and free grantees at reduced rates was

as under :—

Right Holders free grantees	Timber			Firewood			Grass cutting			Total value of disposal
	Cubic feet in solid thousands	Percentage of total outturn	Value	Cubic feet in solid thousands	Percentage of total outturn	Value	Value	Percentage of total outturn	Other produce percentage of total outturn	
			Rs.			Rs.	Rs.			Rs.
Right-holders.	109	11	1,09,000	2,278	86·4	1,42,375	1,40,680	45·9	100	3,92,155
Free grantees.	13	1·3	13,000	274	10·4	18,375	883	·2	..	32,258
Total 1952-53.	122	12·3	1,22,000	2,552	96·8	1,60,750	1,41,563	46·1	100	4,24,413
Total 1951-52.	387	39	3,87,000	2,573	97	1,60,812	1,41,782	23	100	6,89,694
Average of past three years 1949-50 to 1951-52.	195	17·9	1,94,677	1,269	91	69,059	96,756	29·5	100	6,66,582

Section III.—Outturn and Sources of forest Produce (Form No. 19 and 20).—

54. The following is the summary of the years outtuern showning the sources from which the produce was obtained :—

Sources of produce	Timber cubic feet in solid thousands	Firewood cubic feet in solid thousands	Minor produce
			Rs.
Reserved Forests	555	657	3,06,949
Unclassed Forests	..	..	..
Guzara Forests	433	1,980	..
Total for 1952-53 ..	988	2,637	3,06,949
Total for 1951-52 ..	975	2,625	3,31,969

Form No. 21—

55. The stock of produce extracted departmentally from the Government Forests and in hand at the close of the year compared with that at the beginning of the year is as under :—

Source of produce	At the beginning of the year	At the close of the year
Timber cubic feet solid	5,792	1,604
Firewood cubic feet stacks	19,110	39,408
Minor prodnce	13,409	12,067

Total expenditure on the management of the state, and the Village Forests was Rs. 5,86,807 (5,82,812) against Rs. 4,96,770 (Rs. 3,73,531) the average of the past three years.

CHAPTER V.

Financial Results (Form No. 24.).

56. Excluding the figures relating to the Lower Swat Shisham plantation (Revenue Rs. 97,852 and expenditure Rs. 1,38,459) the revenue and expenditure of the year compares with the figures of the previous year, and average of the past quinquennium (1947-48 to 1951-52) as under :—

Revenue or expenditure	1952-53	Percentage of total revenue expenditure	1951-52	Average of quinquennium 1947-48 to 1951-52
	Rs.	Rs.	Rs.	Rs
REVENUE				
Major Forest Produce ..	8,73,461	42	3,54,273	7,81,522
Major Forest Produce ..	1,71,097	8	1,82,560	2,12,410
Other Revenue ..	10,12,856	50	5,87,030	4,12,156
Deduct—Refunds ..	—14,976	..	—5,342	—12,850
Total Revenue ..	20,42,438	100	11,18,521	13,93,238
EXPENDITURE				
B. Conservancy and Works ..	5,86,807	49	5,82,812	3,75,398
C. Establishment (charged) ..	..	..	..	7,755
C. Establishment (voted) ..	6,03,159	51	5,41,207	3,86,159
Loss or Gain ..	..	..	..	..
Expenditure in England ..	1,130	..	..	12,069
Total Expenditure ..	11,91,096	..	11,24,019	7,81,381
Surplus ..	8,51,342	..	—5,498	6,11,857

Revenue.—

57. The increase of Rs. 5,19,188 under major forest produce was due to the revival in part of sales from the Kagan Forest Division which could not be effected during the previous year due to the slump and want of reasonable offer then. The decrease of Rs. 11,463 under minor forest produce was due to the less collection and supply of crude ersin to the Jallo Rosin Factory for want of demand due to the accumula

tion of the stock at its premises and also ommission of some of the forests from tapping that adversely hit the health of the trees. The increase of Rs. 4,21,753 under other revenue was due mainly to the realization of more import duty at the enhanced rates on timber exploited in trans-frontier tracts without authority.

Expenditure.—

58. The increase of Rs. 3,895 under conservancy, and work was due to the incurrence mainly of comparatively more expenditure on the supervision of timber held up in depot as protest against the levy of duty at the enhanced rates. The increase of Rs. 61,878 under the minor head establishment was due to the revision of the scale of pay of the subordinate Executive Service (ii) the accrual of increments, the increase in the staff and more expenditure on the training of the two students detailed for training in the Superior Service Course at Pakistan Forest College.

Surplus.—

59. The years working resulted in the surplus of Rs. 8,51,342.

Outstanding (Form No. 26 and 27)—

60. There was rise in outstanding of revenue from Rs. 3,80,371 at the beginning of the year to Rs. 10,58,480 at the close of the year. The outstanding against the contractors, and disbursers was Rs. 184 against Rs. 317.

Dead Stock (Form No. 23).—

61. The value of the Dead Stock rose from Rs. 2,33,296 to Rs. 2,72,593. The increase was due to the purchase of stock articles for Shogran Guest House (ii) newly formed Sheikh Buddin Range, (iii) purchase of tents for Guzara Division (iv) construction of the balance part of the Shogran Guest House, construction of Range Quarters at Garhi Habibullah and Foresters quarters at Garhi Habibullah Ghazi and Lalogali.

62. The profit and loss account of the year stands as below :—

Debit	Rs. (in lacs)	Credit	Rs. (in lacs)
1. Stock of timber and other produce in forests, and launching depot on 31st March, 1952 as per form No. 22 for 1951-52.	0·14	1. Stock of timber and other produce in forests and launching depot on 31st March, 1953 as per form No. 22 for 1952-53.	0·06
2. Timber in transit on rivers on 31st March, 1952 as per foot note to form No. 22 for the year 1951-52.	..	2. Timber in transit on river on 31st March, 1953 as per foot note to form No. 22 for the year 1952-53.	..
3. Stock of timber, etc., in sale depots on 31st March, 1952 as per form No. 22 for 1951-52.	0·02	3. Stock of timber, etc., in depot on 31st March, 1953 as per form No. 22 for 1952-53.	..
4. Revenue expenditure ..	11·91	4. Net sale of the year ..	27·21
5. Depreciation of stores ..	·12		
6. Net profit ..	15·08		
Total ..	27·27	Total ..	27·27

The above account shows a profit of Rs. 15.03 (1.38) Lacs. This does not take as usual the credit for the value of the forest produce removed by the right holders and free grantees to the amount of Rs. 4,24,413 (6,89,694) nor does it take into account the results of the working of the Lower Swat Canal Shisham Exploitation Scheme, managed by this Department.

CHAPTER VI.

RESEARCH AND EXPERIMENT.

63. The research into the methods and conditions to regenerate Fir in the Galis Forest Division continued. The existing regeneration progressed satisfactorily both in Galis and Kagan except for Khanpur Forest where due to the prolonged drought the progress was greatly hampered. In the Trans-Indus areas of Kohat, Northern and Mardan Forest Divisions, research was mainly confined to dry zone species. The results in general were satisfactory except in case of Rakh Bund Korai and Shahkot, where due to the natural clamity in the form of inundation, the Babul seedlings could not emerge living out of water. The following species were tried for large scale afforestation of the arid tracts.

Acacia Modesta, Acacia Arabica, Zizyphus Jujuba, Prospis Juliflora, Prosopis Glandulosa, Prosopis Specigera, Fraxinus Pennsylyanica, Gleditsia Triacanthos (Gledi) Robinia Pseudoacacia, Ailanthus Glandulosa, Acacia Senegal, and Mazri Acacia Pyenatha, Acacia Syal Salix Alba (while willow) Braussoveta Papyrifera.

Natural Regeneration.—

64. The natural regeneration of Blue Pine in the Galis as well as in Kagan was satisfactory. The regeneration of Fir in the Galis is still a problem, as the seedling die back for want of cover from the broad leaved species, which are disappearing due to heavy lopping.

Seed..—

65. The year under report was not good for the coniferous species.

Working Plan.:—

66. For want of trained feild staff no progress was made in the direction of the revision of the working plan.

Yield and Volume table.—

67. All the sample plots were maintained but no statistical data was collected.

CHAPTER VII.

Administration (Provincial Forest Service).—

68. Except for a short break from 31st July, 1952 to 26-9-1952 caused by his deputation to attend in Canada British Common Wealth Forestry 1952, when Mr. S. A. A. Anwary, P.F.S., Temporarily acted for him, Mr. Taj Muhammad Khan held in continuation of the previous year the charge of the North-West Ftontier Province, Circle of Forest Conservancy including the Agencies throughout the year.

The charge of Galis, Kagan, Northern, Mardan, Kohat, Hazara Anti-trosion Division, Guazara, and Working Plan Division remained in continuation, with the same Officer who held the same during the year 1951-52, and 1950-51.

The trial Mr. A. R. Lughmani faced was not concluded until the close of the year, and the finding not announced.

Subordinate Forest Service.—

69. The following changes and casualties occurred during the year:—

Particulars	Retired	Died	Resigned	Discharged	Dismissed	Reduced	Total
Forest Ranger ..	..	1	..	..	..	..	1
Deputy Rangers ..	..	..	..	..	..	..	..
Foresters and Supervisors	..	..	3	1	..	..	4
Forest Guards ..	..	3	12	16	..	..	31
Clerks ..	..	..	2	1	..	..	3
Peons ..	..	..	..	1	..	..	1
	..	4	17	19	..	..	40

Office Inspection.—

70. All the Divisional and Range Officers were inspected. No serious irregularity was noticed.

Relation with Other Departments.—

71. The relations with other Departments, and District Authorities remained cordial.

Work of Establishment.—

72. The work of the Establishment on the whole was satisfactory throughout the year.

CHAPTER VIII (1952-53).

73. The year 1952-53 was the 15th year of working of the Lower Swat Canal Exploitation Scheme under the supervision and control of the Forest Department.

Supplies to N. W. R., and Military were made as arranged last year and auction sales were restricted.

The following trees were felled :—

I Class	.. 235
II Class	.. 236
III Class	. 222
IV Class	.. 78
V Class	.. 12
Total	.. 783

The detail of stock sold during the year are given in the financial review appended to the Proforma Account and are reproduced below for ready reference.

1.	North Western Railway	.. 5,930	Cft.	Logs.
2.	P. W. D., Punjab	.. 502	,,	,,
3.	Local sale to public	.. 553	,,	,,
4.	Government Transport Service, Peshawar	291	,,	Planks
5.	Health Officer, Peshawar.	.. 80	,,	,,
6.	Agriculture Department, Peshawar	.. 13	,,	,,
7.	P. E. M. E., Peshawar	.. 30	,,	,,
8.	Central Jail, Peshawar.	.. 1,660	,,	,,
9.	Central Jail, Haripur	.. 1,092	,,	,,
10.	Premier Sugar Mill, Mardan	.. 695	,,	,,
11.	Local Sale to Public	9,733	,,	,,

The following miles were planted up during the year :—

	Mile No.	Cost.
Distributary No. 1 Tangi	1—R	72
	1—L	73
	2—R	73
	2—L	74
	3—R	30
	3—L	30
		352

Failure in all other cases, as usual were replaced.

No lengths were formally handed back to the P. W. D., as the question of permanent transfer of the canal banks plantations to the Forest Department was under the consideration of the Provincial Government.

Financial Results.—

74. The commercial accounts for the year shows a surplus of Rs. 28,590 against Rs. 15,603 of the last year half of which is adjustable with the P. W. D. This has been arrived at after the adjustment of the following charges which involve no cash payment :—

		Rs.
1.	Interest on the capital ..	1,220
2.	Depreciation Charges ..	625
3.	Audit Charges ..	1,385
4.	Management and Supervision charges ..	485
5.	Leave and Pensionery Charges ..	1,004
		4,719

Outstandings.—

75. The outstanding at the close of the year is Rs. 3,874.

CHAPTER IX.

GENERAL

Work in Trans-Frontier Agencies.—

76. The report on the management of the Forests in the Trans-Frontier Agencies is published in Appendix-A.

Cantonment Forests.—

77. The Forest Department continued to manage the Cherat, and Galis Cantonment Forests.

There resulted a profit of Rs. 19,352 on the working of the Galis Cantonment Forests during the year on account of a sale of standing trees.

Location Forests.—

78. The Thandiani Location remained under the management of the Forest Department throughout the year.

The Import of Foreign Timber.—

79. The import of foreign timber was 2,676,871 Cft. (3,034,329 Cft) vide Statistical Appendix-IV.

The Import of Fire-wood.—

80. The quantity of fire-wood imported from the Tribal Territory was 55 010 (90,023) maunds.

81. The import duty levied on foreign timber and fire-wood amounted to Rs. 6,20,630 (2,00,477). The increase was due mainly to the increase in the rates.

Export of Timber outside the Province.—

82. The following quantity of coniferous, and hard-wood timber was exported outside the Province, and the amount of the organization fee realized :—

	Rs.	a.	p.
(i) Timber 2,888,799 Cft. at anna 1 per Cft. ..	1,80,549	15	0
(ii) Round Timber over 3 Cft. in mid girth and 15 and over in length No. 1,463 at annas 4 each ..	365	12	0
(iii) Round timber less than 15' in length and under 3' in mid girth No. 87,576 at annas 2 each ..	10,947	0	0
(iv) Fire-wood 90,278 maunds at annas 8 per maund ..	45,139	0	0
Total ..	2,37,001	11	0

Timber Prices.—

83. The following prices prevailed for the various species in the timber market at Havelian.

Deodar Sawn Rs. 6 per Cft.

Kail Sawn Rs. 5 per Cft.

Chir Sawn Rs. 4 per Cft.

Fir Sawn Rs. 4 per Cft.

Games preservation and Fishery.—

84. No wild animal was shot during the year. Towards the close of the year two watchers were appointed to protect the lower reaches of Siran River from sighing by the use of explosives, the poison, and nets of smaller meshes.

85. The Trout Hatchery at Shinu, in Kagan Valley was maintained at a total Cost of Rs. 3,996 (Rs. 2,415).

86. 13,983 (16,172) maunds resin was collected Departmentally from the Reserved Forests during the year, and supplied to Jallo Rosin and Turpentine Factory, Lahore as usual. 3,186 (4,888) maunds resin was collected from Giddarpur, Dotar, Chowki, and Paniali Guzaras, and 6,000 maunds from Shergarh Range Private Forest through the Agency of the purchaser, and disposed of by them in the market.

Soil Conservation and Anti-erosion Measures.—

87. The soil Conservation and Anti-erosion measures have been dealt with in Appendix B.

APPENDIX A. (Paragraph (76)

Report on the Management of Forests in the Trans-Frontier Agencies.

Malakand Agency—

Swat State.—

With the previous approval of the Chief Secretary to Government, North-West Frontier Province, accorded from 1st January, 1950 to the effect that until the existing plan is revised its provision be repeated, the Swat State Forests continued to be managed under the Swat Kohistan Working Plan.

1,747 trees were felled, and worked by the purchaser Mr. Hamidullah Khan in Chodgram IA., IB., IC., IIA, IIB, IIC and IIIB during the year, and yielded the following outturn :—

Species	Quantity No.	Quantity Cft.
Deodar	94,024	283,504
Kail	5,170	17,800
Total ..	99,194	301,304

The following quantity of timber was imported from Swat State into Pakistan territory during the year that brought in a revenue of Rs. 1,38,214 (42,915) in the form of import duty: —

	Volume	Import duty Rs. a. p.
1. M. Attaullah Khan	351	21 15 0
2. M. Hamidullah Khan	595	37 3 0
3. Messrs. Khwaja and Co., Dargai ..	255,540	63,885 2 0
4. S. Badshah Gul of Swat	51,486	12,871 8 0
5. Abdul Wadood of Swat	14,299	893 11 0
6. Karim Bakhsh	2,623	163 15 0
7. Messrs. Haji Muhammad Ismail and Sardar Gul Traders.	23,682	60,267 6 6
8. Miscellaneous	202	73 4 6
Total ..	348,778	1,38,214 1 0

Non decision could be reached about the un-authorized felling in Kalam Forests of Usha Valley by Haji Muhammad Ismail, and S. Badshah Gul Sepah Salar. A sum of Rs. 1,20,000 was recovered on account of price of the trees felled by the former from the bills of the purchaser of the outturn, and credited to the suspense account maintained in the Comptroller's Office, and the outturn released subject to the payment of punitive duty of Rs. 2 per Cft. for logs and Rs. 3 per Cft. per sawn outturn. The latter has not so far paid up the price, and some of the outturn from the trees he felled, that has reached Landaki is held up there.

The expenditure incurred on the management of the Swat State Forests by the Government amounted to Rs. 4,095 (4,382). The State however has not so far either incurred, or shown willingness, to expend any amount on the improvement of the Forests in Swat Kohistan.

Dir State.—

Despite the fact that the Forests in the State need urgent technical treatment on the scientific line in the interest of Utilization of the ripe crop likely to bring revenue to the State, and the improvement of the Forest by the application of the cultural operation, the State has not so far agreed to accept the Forest Control. The prohibition to the export of the outturn extracted from the State Forests, therefore continued.

Chitral State.—

For want of decision about the future management of the Chitral Forests, no Forest Ranger was detailed. The forest operation, such as felling of trees were conducted under the direction of the Political Authorities, without the consultation of the Forest Department or supervision of the Forester who remained posted to Chitral to supervise the Forest operation. In the interest of the management of the valuable forests of the State it is essential that these should be treated in the light of dictates of silviculture.

The total expenditure incurred by the Government on the Chitral Forests during the year amounted to Rs. 595 (634) which represent the pay and allowances of the Forester posted in the Swat.

Malakand.—

Afforestation operations continued in the Malakand Forests over an area of 394 acres during the year. The cultural operations undertaken cost Rs. 2,000 (1,499).

Due to protection and re-stocking of the blanks with the transplants sowing and planting carried out, the aesthetic aspect of the locality has improved a good deal.

The Range Moshallah Nursery was maintained, and yielded 5931 plants which were transplanted in Malakand Forests, and distributed to Government Department and public.

Waziristan Agency.—

The Nursery at Wana was maintained at a cost of Rs. 1,001 and yielded 15100 plants which were distributed in the Agency on the Tree

Planting Day. Besides 10,000 plants were brought from Bannu, and 12,000 from Dera Ismail Khan, and distributed free of cost in the Agency.

Kurram Agency.—

The Peiwar Kotal Forests area 3,988 under the control of the Forest Department were managed under a regular working plan.

Boundary Pillars were repaired. Improvement felling, and thinning carried out and 43 trees marked, and handed over to the right-holders. Walnut and Jusiper seeds were sown in trenches at a cost of Rs. 144.

In Shalozon Area contour trenching, and planting was done over 63 acres.

91,500 plants of different species were raised in the Nurseries at Shalozon, Parachinar and Sadda, maintained at a cost of Rs. 2,361. Of these 13400 plants were distributed on the Tree Planting Day free of cost, and 78100 plants transplanted in Shalozon Area.

Hazara Tribal Area.—

No exploitation was done in the tribal forests of Rajdhawari and Hillan and no timber was imported from these tracts.

Azad Kashmir.—

Rs. 3,969 (3,634) were realized on account of import duty on 15,851 Cft. of timber and 50 maunds of firewood imported from the Azad Kashmir.

The total expenditure incurred in the different Agencies is given below :—

Name of Agency	Pay of Officers	Pay of Establishment	Allowances and Honoraria	Contingencies	Work	Grant-in-aid and contribution	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Dir, Swat and Chitral including Malakand.	2,499	5,172	7,017	1,712	2,237	148	18,785
Kurram ..	..	2,526	3,680	551	5,496	55	12,308
Waziristan ..	..	955	1,367	220	1,601	54	4,197
Hazara Tribal Territory ..	..	..	..	..	..	..	..
Total ..	2,499	8,653	12,064	2,483	9,334	257	35,290

APPENDIX B (Paragraph 87.)

Annual Report of the Post War Development Schemes for the Year 1952-53.

Soil Conservation and Anti-Erosion Measures.—

The Anti-erosion and Soil Conservation measures were carried out in continuation of the preceding year in Hazara Anti-erosion, Mardan, and Kohat Forest Division.

The details of the works done, with the results achieved are discussed below :—

I. Hazara Anti erosion-Division.—

The Anti-erosion, and soil conservation measures in the way of contour trenching gully plugging , check damming, sowing, and planting of suitable species were carried out over an area of 27,318 (19,094) acres offered and accepted for closure on voluntary basis in the three Tehsils of the Hazara District.

Name of range and tehsil	Previous area	Area added during the year	Total
	Acres	Acres	Acres
Mansehra	4,056	386	4,442
Abbottabad	4,798	32	4,830
Haripur	10,240	7,806	18,046
Total ..	19,094	8,224	27,318

The total expenditure incurred during the year amount to Rs. 1,31,298 (1,21,436) including the establishment charges.

The existing nurseries were maintained, and 292,167 plants raised for planting in the closure areas, and distribution amongst the public, and Education Department free and sale to the other Department of Government. Of these 275,389 plants were distributed to the public, and 3,650 to the Educational Institution free of cost, 10,890 planted in closure area, and balance 2,389 sold to the Other Departments.

Olia Cuspidita.—

The survivals of the previous year are looking healthy though the growth is very slow.

Khair.—

The experiments so far made show that the species grows under favourable condition. The seed has subject to the availability been sown in suitable locality in the closure areas in Haripur Tehisl.

Grasses.—

Seed of Grasses with the greated food value were imported from U. S. A., and Newzealand, sown in pots, and raised beds in the Mansehra Nursery as a trial about their suitability for propagation. The results so far achieved have shown these grasses can grow in Mansehra Tehsil with irrigation. The experiment will be continued.

II. Mardan Forest Division.—

Anti-erosion works were confined to Mardan and Rustam Range. The area taken over for closure increased from 13,276 to 14,755 acres as under ;—

Name of range	Previous	Added during the year	Total
	Acres	Acres	Acres
Mardan	5,553	..	5,553
Rustam	7,723	1,479	9,202
Total ..	13,276	1,479	14,755

Contour trenching, Gully plugging, Check daming, construction of the new, and repairs to the old boundary pillars, sowing and planting were done one at a cost of Rs. 62,853 (55,314).

1. Mardan Range .. 50,943 (43,428)

2. Rustam Range .. 11,910 (11,886)

Planting and sowing all over the area was done. The existing stock of the plants that survived was as under ;—

Mardan .. 164,257 plants.
Rustam .. 201,637 plants.

Nurseries.—

The Katlang nursery was maintained at a cost of Rs. 1,576.

Ghohati Nursery.—

The nursery at Ghohati was maintained at a cost of Rs. 1,733.

Tarnab and Sarbaland Pura.—

The nurseries at Tarnab and Sarbalandpura were maintained at a cost of Rs. 1,778.

141,109 plants of the various species detailed below raised in the above nurseries were distributed on the Tree Planting Day.

Shisham		120,787
Tut	..	19,570
Budain	..	300
Simal	..	120
Eucelyphtus	..	17
Jaman	..	10
Pipal	..	5
Amaltas	..	200
Acacia Arabica	..	100

During the year, 1,479 acres were accepted for closures. The propaganda for further offers of the areas for closure continued. The response from the public is encouraging and it is hoped that more areas will be offered.

Upper Swat Canal.—

The total expenditure incurred during the year on the cultural operations carried out on the Upper Swat Canal amounted to Rs. 98,998 (98,964).

During the year a start was made with the planting of the distributories nd the following lengths planted with cuttings ;—

Name of distributory	Number of miles planted	Total length (miles)	Number of cutting planted
1. Bukhshah Distributory ..	0 to 9	9	6,158
2. Chora Minor	0 to $3\frac{4}{5}$	$3\frac{4}{5}$	2,692
3. Jamal Ghari	0 to 11	11	6,752
4. Sawal Dher Minor ..	0 to $2\frac{3}{5}$	$2\frac{3}{5}$	1,500
5. Kot Minor	0 to $2\frac{3}{5}$	$2\frac{3}{5}$	2,503
6. Merdi	0 to $1\frac{1}{5}$	$1\frac{1}{5}$	1,040
7. Pirsadoo	0 to $6\frac{2}{5}$	$6\frac{2}{5}$	4,798
8. Shangrai Minor	0 to $3\frac{2}{5}$	$3\frac{2}{5}$	2,600
9. Kutal Ghari	0 to $4\frac{2}{5}$	$4\frac{2}{5}$	3,245
10. Ghano	0 to 2	2	1,724
Total ..	..	$46\frac{2}{5}$	33,012

The plants were fenced at a cost of Rs. 3,189.

The branches of the canal planted during the previous years showed the ollowing results :—

(a) Mile No. 1 and 2 except for few failures here and there needing eplacement, are complete.

(b) Mile 13 to 17 require special protection against browsing.

Maira Branch.—

Except for few failures here and there needing replacement, Mile 1 to 4 are completely covered.

The balance miles 5 to 29 require special protection.

Machi Branch.—

Mile 3 to 7, 10,13 to 22, 25 to 28, 32 to 37 and 41 to 50 are successfully covered except for few failures which need replacement. The balance 14 miles still require protection.

Kohat Forest Division.—

The Anti-erosion, and soil conservation measures were carried out in the Kohat and Hangu Anti-erosion Ranges of the Kohat Forest Division over an area of 22,683 (20,013) acres managed on voluntary closure basis. The expenditure incurred was Rs. 68,601 as under :—

Range		Rs.	Area on 1st April, 1952	Added	Total
Kohat ..	..	32,070	11,958	1,162	13,120
Hangu ..	..	15,849	8,056	1,507	9,563
Divisional Office	..	20,682	..	..	..
Total	..	68,601	20,014	2,669	22,683

The measures adopted to prevent erosion, and to conserve the soil consisted of contour trenching, gully plugging, check damming and sowing of the suitable species. The results achieved were hopeful. During the year 2,669 acres were taken over for closures. The public Co-operated willingly.

Nurseries.—

Nurseries were maintained at Banda Ahmad Khan, Bannu, and Hangu at a cost of Rs. 3,411 to raise plants. During the year 90,432 (201,614) plants of different species raised in the nurseries were distributed to Local Public, Civil and Military Department on Tree Planting Day.

Paharpur Canal.—

During the year 26 canals miles of the canal bank making in aggregate the total length planted to end of the year to rise to 127 miles, were planted with 44,371 with Acacia Arabica plants at a total cost of Rs. 47,371. The plantation is successful.

Bundkorai and Shahkot.—

600 acres of Rakh Bundkorai and 200 acres of Rakh Shahkot sown with Babul were adversely hit by inundation during July and August 1952. Resowing was done during March, 1953. Total expenditure incurred during the year on the two plantations amounted to Rs. 10,683.

Mazri.—

To save the mazri plant essential for the Cottage Industries, in the Province and especially in the Kohat District, from extinction a trial on the culture of mazri was made in the Haripur Tehsil of Hazara District in the areas taken over for closure, on the Upper Swat Canal in the Mardan District on experimental basis besides the measures adopted in the Kohat District to regulate the culture, propagation, exploitation, and transportation of the Mazri and its bye-products by the formation of new Forest Range.

Haripur Tehsil.—

61,799 mazri plants raised in the nurseries during the previous year in the Anti-erosion Division were kept under observation. The plants due to the soil factor and climatic condition are not looking happy. However they are kept under observation whether the species could thrive in Haripur Tehsil of the Hazara District.

Mardan Division.—

There survivals 686,708 plants of mazri raised in pits on the Machi Abazai and Maira Branches of the Upper Swat Canal. The results so far achieved are hopeful.

Kohat Division.—

About 40,000 acres of the Mazri growing tracts of the Hangu Tehsil of the District being exterminated of the plant were formed into a Forest Range, placed in-charge of Forest Ranger to enforce the provisions of the Mazri Control Act designed, to protect the plant against extermination, to regulate its culture, exploitation and transportation on the systematic lines advantageous to the owners of the holdings as well as essential for the preservation and propagation of the plant.

Northern Forest Division.—

Nurseries were maintained at Sheikhan and Nowshera to raise plants for free distribution.

Sheikhan Village Plantation.—

A plantation established at valley Sheikhan, was sown or planted over 30 acres. To cover the failures of the previous year 60 acres were resown, and 1,873 plants transplanted.

Islamia College Plantation.—

There is no possibility of extension. The area already covered by the established crop is being felled to make available sites for the University Buildings and roads in expansion.

APPENDIX C (Paragraph 35)

Agricultural Development Schemes being implemented on 50 per cent. Shared Basis.

Culture of Walnut in Galis, Kagan and Guzaras.—

The scheme was started during 1951-52. During the year 1952-53 520 acres of the area laid down in the programme for the year were sown with walnut seed, and subsidiary operations carried out at a total cost of Rs. 3,964. The results achieved were encouraging.

Raising of Khair Plantation, in the Scrub Forests of Sataura and Khanpur Ranges to satisfy requirements of Katha.—

The implementation of the scheme was taken in hand during 1951-52. During the year 500 acres of the areas laid down in the scheme were sown with the Khair seed at a total cost of Rs. 14,500. The results of the sowing will be observed during July, 1953. Due to the prolonged drought the germination is not expected, it is feared, to come out up to expectation.

Re-afforestation fo Rakh Sheikh Buddin.—

The re-afforestaon of the Rakh was started during November, 1952. The demarcation of the area propored for reservtion was. taken in hand. Kacha Boundary Pillars were constructed at a cost of Rs. 1,935. The Nurseries were laid out and 148 acres were afforested with 50 per cent. success. Due to the protection, which the Rakh was denied heretofore, the natural regeneration also come out satisfactorily. The total expenditure incurred during the year amounted to Rs. 11,009.

STATEMENTS

Form

Area of Reserved Forests, Protected Forests, Unclassed or Public

Division	Range	Civil District or Territory	Name of Forest	Area on 1st April, 1952	
				Acres	Equivalent in square miles
1	2	3	4	5	6
					DEPARTMENTAL
Galis ..	..	Hazara ..	All Forests ..	72,831	113.80
Kagan ..	..	Hazara ..	Do. ..	84,586	132.17
Northern ..	..	Peshawar ..	Do. ..	12,936	20.21
Kohat ..	..	Kohat ..	Do. ..	12,700	19.84
		Dera Ismail Khan.	Do. ..	6,830*	10.67
		Total Departmental Reserved Forests, 1952-53.		189,883*	296.69
		Total Departmental Reserved Forests, 1951-52.		190,883	298.25
					DEPARTMENTAL
					Nil.
					DEPARTMENTAL
Guzara ..	..	Hazara ..	All Forests ..	310,366	484.95
		Total Departmental Guzaras, 1952-53.		310,366	484.95
		Total Departmental Guzara 1951-52.		310,366	484.95
					MILITARY
		Hazara ..	All Forests ..	1,343	2.10
		Dera Ismail Khan.	Do. ..	2,258	3.52
		Peshawar ..	Do. ..	868	1.36
		Total Military Reserved Forests, 1952-53.		4,469	6.98

No. 7

Forest, Land and Leased Forests, 1952-53 (paragraphs 1 and 2)

Added during the year	Excluded or transferred to other heads	Area on 31st March, 1953		No. and date of notification of addition or transfer etc.	Remarks
Acres	Acres	Acres	Equivalent in square miles		
7	8	9	10	11	12
RESERVED FORESTS.					
..	..	72,831	113.80	..	
..	..	84,586	132.17	..	
..	..	12,936	20.21	..	
6,850	..	19,550	30.54	Notification No. 12000/DD., dated 15-7-52.	
..	..	6,830	10.67	..	
6,850	..	196,733	307.39	..	*Due to the correction of the previous years figures
..	..	190,883	298.25	..	
STET FORESTS.					
Nil.					
GUZARA FORESTS.					
..	..	310,366	484.95	..	
..	..	310,366	484.95	..	
..	..	310,366	484.95	..	
RESERVED FORESTS.					
--	..	1,343	2.10	..	
..	..	2,258	3.52	..	
..	..	868	1.36	..	
..	..	4,469	6.98	..	

Form

Area of Reserved Forests, Protected Forests, Unclassed or Public

Division	Range	Civil District or Territory	Name of Forests	Area on 1st April 1952 Acres	Equivalent in square miles
1	2	3	4	5	6
					CIVIL
..	..	Hazara ..	All Forests ..	722	1·13
		D. I. Khan..	All Forests..	1,517	2·37
		Total Civil Reserved Forests 1952-53.		2,239	3·50
		Total Civil and Military Reserved Forests 1952-53.		6,708	10·48
					MILITARY
		Peshawar ..	All Forests..	4,134	6·46
		D. I. Khan..	Do. ..	2,930	4·58
		Total Military Unclassed Forests 1952-53.		7,064	11·04
					CIVIL
		Hazara ..	All Forests..	15	0·02
		Kohat ..	Do. ..	16,644	26·01
		D. I. Khan..	Do. ..	71,827	112·23
		Total Civil Unclassed Forests 1952-53.		88,486	138·26
		Total Military and Civil Unclassed Forests 1952-53.		95,550	149·30
		Total Military and Civil Unclassed Forests 1951-52.		95,550	149.30

No. 7—concld.

Forest Land and Leased Forests, 1952-53 (paragraphs 1 and 2)—concluded

Added during the year acres	Excluded or transferred to other heads (acres)	Area on 31st March, 1953		No. and date of notification of addition or transfer etc.	Remarks
		Acres	Equivalent in square miles		
7	8	9	10	11	12
RESERVED FORESTS					
..	..	722	1.13	..	
..	..	1,517	2·37	..	
..	..	2,239	3·50	..	
..	..	6,708	10·48	..	
UNCLASSED FORESTS					
..	..	4,134	6·46	..	
..	..	2,930	4·58	..	
..	..	7,064	11·04	..	
UNCLASSED FORESTS					
..	..	15	0·02	..	
..	*6,850	9,794	15·31	..	*Transferred to Depatmental Reserved Forests vide Notification No. 12000/DD, dated 15-7-1952.
..	..	71,827	112·23	..	
..	6,850	81,636	127·56	..	
..	6.850	88,700	138·60	..	
..	..	95,550	149·30	..	

FORM No. 8.

Progress made in Forest Settlement during the year, 1952-53 (Paragraph 3).

Forest Division	Civil District or Territory	Name of Forest	Area in S. Miles			Cost during year		Entire cost per Sq. mile of areas finally settled	Government Notification of Settlement	
			Finally settled during the year	In hand at commencement of year	Taken in hand during the year	In Forest Accounts	In other Accounts		Number	Date
1	2	3	4	5	6	7	8	9	10	11
						Rs.	Rs.	Rs.		
Kohat ..	Dera Ismail Khan Part.	Sheikh ..	..	..	68·98	..	..	..	47207/DD	21-9-51
	Bannu Part	Buddin ..	..	..	·98	..	..	..		

FORM No. 9.

Record of Demarcation and maintenance of boundaries, 1952-53 (Paragraph 4).

Division	Length of boundaries artificially demarcated during the year	Length of previously existing boundaries repaired	Length of previously existing boundaries not repaired	Total length of artificially marked boundaries at close of the year	Length of boundaries still to be demarcated at close of the year	Length of natural boundaries not requiring artificial marks	Total length of boundaries at the close of the year	Expenditure on demarcation during the year		Remarks
								On new work	On repairs	
1	2	3	4	5	6	7	8	9	10	11
	Miles	Miles	Miles	Miles	Miles	Miles	Miles	Rs.	Rs.	
Galis ..	..	98	423	521	..	..	521	..	2,233	
Kagan ..	..	67	195	262	..	139	401	..	709	
Northern ..	..	42	4	46	..	..	46	..	153	
Kohat ..	101	..	64	165	..	..	165	3,045	276	
Guzara ..	..	..	..	..	..	..	..	..	..	
Mardan ..	..	..	..	..	..	..	..	..	462	
Hazara Anti-Erosion ..	..	..	..	..	..	..	..	..	538	
Working Plan ..	..	..	..	..	..	..	..	..	..	
Total for 1952-53 ..	101	207	686	994	..	139	1,133	3,045	4,373	
Total for 1951-52 ..	34	245	614	893	..	139	1,032	..	4,290	

Abstract

Expenditure on new works ..	3,045
Expenditure on repairs ..	3,097
Expenditure incurred on voluntary closures ..	1,276
Total B—VIII-(a) as per Form No. 24 ..	7,418

FORM No. 10.

Statement showing forest area surveyed, and under survey by the Survey of Pakistan, during the year 1952-53 (Paragraph 5).

Division	Topographical Surveys special surveys paid for by Forest Department						Ordinary surveys not paid for by the Forest Department	
	Previous		Of the year		Cost		Previous	
	4" = 1 Mile	2" = 1 Mile	4" = 1 Mile	2" = 1 Mile	Incurred during year	Total to the end of the year	2" = 1 Mile	Smaller scales
1	2	3	4	5	6	7	8	9
	Sq. M.	Sq. M.	Sq. M.	Sq. M.	Rs.	Rs.	Sq. M.	Sq. M.
Galis ..	113	..	..	..	..	25,500 (Galis and Kagan)	1	..
Kagan ..	132	..	..	..	..		..	..
Northern .	..	..	..	..	..	..	17	3
Kohat ..	..	..	..	..	..	..	9	..
Total 1952-53 ..	245	..	..	..	..	25,500	27	3
Total 1951-52 ..	245	..	..	..	..	25,500	29	3

· FORM No. 10—concld.

Statement showing forest area surveyed, and under survey by the Survey of Pakistan, during the year 1952-53 (Paragraph 5)—concld.

Division	Ordinary surveys not paid for by the Forest Department — Of the year — 2″=1 Mille	Ordinary surveys not paid for by the Forest Department — Of the year — Smaller scales	Boundary Surveys — Previous	Boundary Surveys — Of the year	Total area surveyed	Area remaining to be surveyed	Total area as per Form No. 7	Remarks
1	10	11	12	13	14	15	16	17
	Sq. M.	Sq. M.	L. M.	L. M.	Sq. M.	Sq. M.	Sq. M.	
Galis ..	..	..	..	..	114	..	114	
Kagan ..	..	..	..	..	132	..	132	
Northern ..	..	..	..	..	20	..	20	
Kobat ..	..	..	..	..	9	32	41	
Total 1952-53 ..	..	..	..	..	277	32	307	
Total 1951-52 ..	..	..	..	..	277	21	298	

Form No. 11.

Progress made in Working Plans during the year 1952-53 (Paragraphs 6 to 8)

Division	Area under sanctioned working plans			At close of year		Area not under Working Plan	Plans not under preparation		Total forest area in form No. 7 (total of columns 5, 7, 8 and 9)	Revision			Expenditure on Working plans during the year.	Remarks
	At commencement of year	Added during year	Deducted during year	Actual area	Percentage of total forests area as shown in column 10	Plans under preparation	Required at present.	Not required at present.		Due or required	In progress at the end of year.	Revised plans sanctioned during the year.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	per cent.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	
alis ..	113	..	..	113	100	..	..	1	114	53	..	..	..	
agan ..	132	..	..	132	100	..	..	..	132	..	36	20	..	
orthern ..	..	..	..	..	..	..	..	20	20	..	..	..	..	
ohat ..	..	..	..	..	..	..	..	41	41	..	..	..	..	
orking Plan ..	..	..	..	..	..	..	..	..	..	..	..	..	..	
otal 1952-53 ..	245	..	..	245	80	..	..	62	307	53	36	20	..	
otal 1951-52 ..	245	..	..	245	100	..	..	53	298	89	20	..	..	

FORM No. 12

Statement showing communications and buildings during the year 1952-53 (Paragraphs 9—14)

Division	New works undertaken during the year														
	Buildings					Roads and paths						Total length of paths or roads.	Total expenditure incurred.	Other works	
	Expenditure on				Total expenditure incurred	Cart roads		Bridle path		Others				Expenditure incurred	Total expenditure on new works
	Head quarter houses	Rest houses	Houses for subordinate establishment.	Others		Length	Cost	Length	Cost	Length	Cost				
1	2 (a)	2 (b)	2 (c)	2 (d)	3	4 (a)	4 (b)	4 (c)	4 (b)	4 (e)	4 (f)	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	M.	Rs.	M.	Rs.	M.	Rs.	M.	Rs.	Rs.	Rs.
Direction ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Galis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kagan ..	..	21,889	..	..	21,889	..	..	..	..	..	..	..	..	..	21,889
Northern ..	..	..	..	..	..	..	..	8	4,200	..	..	8	4200	..	4,200
Kohat ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guzara ..	..	..	15,488	..	15,488	..	..	..	..	..	..	..	..	..	15,488
Hazara Anti-Erosion ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Working Plan ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mardan ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total 1952-53 ..	..	21,889	15,488	..	37,377	..	..	8	4,200	..	..	8	4200	..	41,577
Total 1951-52 ..	..	16,278	2,810	6,189	25,277	1	5,479	..	..	..	..	1	5479	..	30,756

FORM No. 12—concld.

Statement showing communications and buildings during the year 1952-53 (Paragraphs 9—14)—concluded.

Division	Repairs executed during the year: Buildings: Expenditure on: Head-quarter houses	Rest houses	Houses for subordinate establishment	Others	Total expenditure incurred	Roads and paths: Cart road: Length	Cost	Bridle path: Length	Cost	Others: Length	Cost	Total length of paths and roads	Total expenditure incurred	Other works: Total expenditure incurred	Total expenditure incurred	Grand Total
1	9 (a)	9 (b)	9 (c)	9 (d)	10	11 (a)	11 (b)	11 (c)	11 (d)	11 (e)	11 (f)	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	M.	Rs.	M.	Rs.	M.	Rs.	M.	Rs.	Rs.	Rs.	Rs.
Direction ..	..	..	..	..	..	..	..	..	..	..	..	..	..	234	234	..
Galis ..	2,341	8,776	2,121	3,259	16,497	..	..	198	4,838	116	3,350	314	8,188	5,560	30,245	..
Kagan ..	..	241	2,158	..	2,399	..	..	83	1,670	36	17,551	119	19,221	513	44,022	..
Northern .	..	..	1,013	..	1,013	1	700	..	..	2	754	3	1,454	250	6,917	..
Kohat ..	..	..	..	140	140	..	..	..	..	..	..	..	..	213	353	..
Hazara ..	..	..	..	146	146	..	..	14	494	..	..	14	494	163	16,291	..
Hazara Anti-Erosion.	..	..	..	..	..	..	..	65	1,000	..	..	65	1,000	..	1,000	..
Working Plan.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mardan ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total 1952-53..	2,341	9,017	5,292	3,545	20,195	1	700	360	8,002	154	21,655	515	30,357	6,933	99,062	..
Total 1951-52..	11,703	2,891	3,699	2,181	20,474	..	..	431	17,131	151	7,826	582	24,957	6,693	82,880	..

ABSTRACT.

	Roads and paths	Buildings.	Other works.	Grand Total.
	Rs.	Rs.	Rs.	Rs.
New works ..	4,200	37,377	..	41,577
Repairs ..	30,357	20,195	6,933	57,485
Total	34,557	57,572	6,933	99,062

FORM No. 13.

Statement showing register of breaches of forest rules during the year 1952-53 (Paragraph 15 to 17).

Division	Cases pending from previous year			New cases of the year															Total Cases			
				Injury to forest by fire			Unauthorised felling			Unauthorised grazing			Other offences			Total						
	A	B	All	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	All
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Galis ..	3,869	606	4,475	..	..	..	1,294	913	..	732	716	..	638	761	..	2,664	2,390	..	6,533	2,996	..	9,529
Kagan ..	793	163	956	..	..	..	162	126	..	70	278	..	203	422	..	435	826	..	1,228	989	..	2,217
Northern ..	87	281	368	..	..	..	..	1	..	19	197	..	82	311	..	101	509	..	188	790	..	978
Kohat ..	39	33	72	..	..	..	13	91	9	52	230	9	1	..	..	66	321	18	105	354	18	477
Guzara ..	2,593	517	3,110	..	..	..	1,078	401	..	..	..	..	756	734	..	1,834	1,135	..	4,427	1,652	..	6,079
Hazara A. E. ..	203	39	242	..	..	..	16	10	3	162	190	10	444	221	19	622	421	32	825	460	32	1,317
Mardan ..	19	152	171	..	..	..	..	..	..	25	406	..	..	132	..	25	538	..	44	690	..	734
Working plan ..	..	30	30	..	..	..	28	206	..	10	7	..	443	254	..	481	467	..	481	497	..	978
Total 1952-53 ..	7,603	1,821	9,424	..	..	..	2,591	1,748	12	1,070	2,024	19	2,567	2,835	19	6,228	6,607	50	13,831	8,428	50	22,309
Total 1951-52 ..	5,773	891	6,664	12	..	..	2,628	2,159	11	1,376	3,477	109	2,074	2,968	71	6,090	8,604	191	11,863	9,495	191	21,549

FORM No. 13—concld.

Statement showing register of breaches of forest rules during the year 1952-53 (Paragraphs 15 to 17)—concld.

Division	Disposed of during the year														Cases pending at close of the year			Remarks
	Conviction				Acquitals				Total									
	Cases		Persons		Cases		Persons		Cases			Persons						
	A	B	A	B	A	B	A	B	A	B	All	A	B	All	A	B	All	
1	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Galis ..	216	2,661	325	3,913	..	..	..	..	216	2,661	2,877	325	3,913	4,238	6,317	335	6,652	
Kagan ..	312	824	778	1,453	..	..	..	..	312	824	1,136	778	1,453	2,231	916	165	1.081	
Northern ..	52	761	66	994	5	..	9	..	57	761	818	75	994	1,069	131	29	160	
Kohat ..	36	352	56	596	..	..	..	..	36	352	388	56	596	652	69	2	71	18 cases written off.
Guzara ..	290	982	374	220	180	21	286	33	470	1,003	1,473	660	253	913	3,957	649	4,606	
Hazara A. E. ..	280	222	339	308	..	..	..	..	280	222	502	339	308	647	545	238	783	32 C. cases W. O.
Mardan ..	26	610	35	676	..	..	..	..	26	610	636	35	676	711	18	80	98	
Working plan ..	111	497	155	587	3	..	3	..	114	497	611	158	587	745	367	..	367	
Total 1952-53 ..	1,323	6,909	2,128	8,747	188	21	298	33	1,511	6,930	8,441	2,426	8,780	11,206	12,320	1,498	13,818	
Total 1951-52 ..	4,176	7,622	6,518	11,841	5	82	67	126	4,227	7,704	11,931	6,585	11,967	18,522	7,633	1,791	9,424	

FORM No. 14.

Area of Forest Tracts protected from fire during 1952-53 (Paragraph 18).

Division	Forest Range	Year in which protection commenced	Area attempted to be protected in 1951-52	Area actually protected in 1951-52	Area attempted to be protected in 1952-53	Failure	Area actually protected in 1952-53	Cost	Remarks
1	2	3	4	5	6	7	8	9	10
			Acres	Acres	Acres	Acres	Acres	Rs.	
Galis ..	Thandiani ..	1932-33 ..	20,026	20,023	20,026	..	20,026	..	
	Donga Gali ..	1932-33 ..	18,416	18,396	18,416	45	18,371	..	
	Khanpur ..	1932-33 ..	9,766	8,734	9,766	3,315	6,451	209	
	Satura ..	1932-33 ..	24,623	24,471	24,623	100	24,523	350	
	Total Galis Forest Division..	..	72,831	71,624	72,831	3,460	69,371	559	
Kagan ..	Upper Siran ..	1935-36 ..	67	67	67	..	67	22	
	Lower Siran ..	1932-33 ..	13,817	13,817	13,817	..	13,817	1,079	
	Agror ..	1932-33 ..	8,814	8,814	8,814	..	8,814	294	
	Total Kagan Forest Division	..	22,698	22,698	22,698	..	22,698	1,395	
	Grand Total 1952-53 ..	..	95,529	94,322	95,529	3,460	92,069	1,954	
	Grand Total 1951-52 ..	..	95,529	94,939	95,529	1,207	94,322	1,956	

Abstract of Expenditure.

		Rs.
Galis	..	559
Kagan	..	1,395
Guzaras	..	987
Upper Tanawal protected Forests	..	227
Total	..	3,168

Form No. 15

Causes of Forest Fires, during the year 1952-53 (Paragraphs 19-20)

Division	(a) Fires caused by accident or through carelessness in burring fires lines: Number of fires	(a) Area burnt in acres	(B) Fires entering the forest by crossing exterior fires traces: Number of fires	(B) Area burnt in acres	(C) Fires beginning inside the reserve or fire traced areas — Owing to carelessness or accident — By workmen employed in the forests by purchasers of forest product by *Ya* cutters: Number of fires	Area burnt in acres	By villagers etc., passing through the forests: Number of fires	Area burnt in acres	By Railway engines: Number of fires	Area burnt in acres	By lightening or by fire baloons: Number of fires	Area burnt in acres
1	2	3	4	5	6	7	8	9	10	11	12	13
s ..	1	460	8	2868	..	..	1	25	..	..	..	..
an ..	..	..	..	..	..	..	15	3177	..	..	..	..
ara ..	..	..	4	1208	..	..	6	607	..	..	..	..
rking Plan ..	..	..	..	..	..	..	..	..	..	..	..	..
tal 1952-53 ..	1	460	12	4076	..	..	22	3809	..	..	..	..
tal 1951-52 ..	10	1239	12	5843	..	..	19	4290	..	..	..	..

Form No. 15—concluded.

Causes of Forest Fires, during the year 1952-53 (Paragraphs 19-20)—concluded.

Division	(C) Fires beginning inside the reserve or fire traced area—concld.						Total		Causes unknown		Total (A), (B) & (C)	
	By intentional firing											
	In order to obtain new grass		In order to turn out game or to reduce cover		Maliciously fired							
	Number of fires	Area burnt in acres	Number of fires	Area burnt in acres	Number of fires	Area burnt in acres	Number of fires	area burnt in acres	Number of fires	Area burnt in acres	Number of fires	Area burnt in acres
1	14	15	16	17	18	19	20	21	22	23	24	25
Galis ..	9	122	..	..	..	..	10	147	..	..	19	3475
Kagan ..	..	..	..	..	..	..	15	3177	..	..	15	3177
Guzara ..	1	156	..	..	1	400	8	1163	8	109	20	2480
Working Plan ..	..	..	..	..	..	..	..	..	..	..	..	..
Total 1952-53 ..	10	278	..	..	1	400	33	4487	8	109	54	9132
Total 1951-52 ..	34	16903	..	..	..	..	53	21193	..	..	75	28275

Form No. 16.

Area closed and open to grazing during 1952-53 (paragraph 21)

Division	Area in square miles					
	Closed to all animals		Open to grazing			
			Of all animals		Of all animals except browsers (Camels, sheep and goats)	
	Whole year	Part of year	Whole year	Part of year	Whole Year	Part of year
1	2	3	4	5	6	7
			RESERVED FORESTS			
Galis ..	(a) 62	..	..	..	52 (b)	..
Kagan ..	(c) 49	..	..	..	82 (d)	1
Northern ..	..	..	..	..	20	..
Kohat ..	1	..	4	..	31 (e)	5
Total 1952-53 ..	112	..	4	..	185	6
Total 1951-52 ..	112	..	4	..	174	6

(a) Area closed on account of erosion, coppice fellings or for regeneration.

(b) Area open to grazing on permits or lease system from 1st April, 1926.

(c) Area closed to grazing of all animals for regeneration purposes.

(d) Parts of Nagan and Manshi forests where goats and sheep are allowe d for one day on their way to pasture grounds.

(e) Haugu Borakka and Topi Rakhs.

Note:—The majority of area closed to grazing are, however, open to grass cutting.

FORM No. 17.

Return of grazing in the State Forests of the North-West Frontier Province during the year 1952-53 (Paragraphs 22-24).

Division	Grazing payment at full rates						Number of animals at privileged rates			
	Buffaloes	Cows and bullocks	Goats and sheep	Camels	Other animals	Fees received	Buffaloes	Cows and bullocks	Goats and sheep	Camels
1	2	3	4	5	6	7	8	9	10	11
						Rs.				
Galis ..	743	812	..	..	..	1,162	..	..	..	..
Kagan ..	819	1,970	..	..	3	903	..	..	..	..
Northern ..	..	508	41	..	..	568	..	..	..	..
Kohat ..	188	438	..	..	..	183	..	..	..	..
Total 1952-53 ..	1,750	3,728	41	..	3	2,816	..	..	..	..
Total 1951-52 ..	1,889	8,984	126	..	535	3,388	..	..	..	..

Form No. 17—contd.

Return of grazing in the State Forests of the North-West Frontier Province during the year 1952-53
(Paragraphs 22-24)—contd.

Division	Number of animals at privileged rates			grazing free — By right under settlement					
	Other animals	Fees received — Actual	Fees received — Value of full rates	Baffaloes	Cows and bullocks	Goats and sheep	Camels	Other animals	Value of fees at full rates
1	12	13	14	15	16	17	18	19	20
		Rs.	Rs.						Rs.
Galis ..	..	..	..	1,843	2,414	..	..	..	1,934
Kagan ..	..	..	..	3,523	4,285	..	..	..	2,833
Northern ..	..	..	..	..	..	..	..	..	..
Kohat ..	..	..	..	847	3,387	..	..	..	7,622
Total 1952-53 ..	..	..	..	6,213	10,086	..	..	..	12,389
Total 1951-52 ..	..	..	..	6,213	10,086	..	..	--	12,389

Return of grazing in the State Forests of the North-West Frontier Province during the year 1952-53 (paragraphs 22-24)—concluded.

Division	Grazing Fee—concld.						Total value of fee at full rates	Grand total of value at full rates
	Number of animals during the pleasure of Government otherwise than under settlement							
	Baffaloes	Cows and bullocks	Goats and sheep	Camels	Other animals	Value of fees at full rates		
1	21	22	23	24	25	26	27	28
						Rs.	Rs.	Rs.
Galis ..	..	..	..	..	..	..	1,934	3,096
Kagan ..	3	4	..	..	..	3	2,836	3,739
Northern ..	..	800	..	..	..	800	800	1,368
Kohat ..	..	..	..	..	..	..	7,622	7,805
Total 1952-53 ..	3	804	..	..	..	803	13,192	16,008
Total 1951-52 ..	3	804	..	..	..	803	13,192	16,580

ABSTRACT

	Rs.
Total as per column 28 ..	16,008
add— (i) Value of grazing and grass cutting leases for which number of animals cannot be given ..	4,087
(ii) Value of grass cutting by free grantees and right-holders for which number of animals cannot be given ..	1,28,471
(iii) Leaf fodder ..	..
(iv) Value of grass cutting by permits for which number of animals cannot be given ..	..
(v) Price of standing grass ..	147
(vi) Miscellaneous ..	..
(vii) Outstanding of the previous year at commencement of the year 1952-53 ..	..
(vii) Value of refundable fees for grass cutting in respect of Cherat Cantonment Forests ..	292
Carried over ..	1,49,005

	Rs.
Brought Forward ..	1,49,005
Deduct— (1) Value of grazing under settlement and as concession during the pleaure of Government ..	—13,192
(2) Value of grass cutting and leaf fodder by free grantees and the right-holders under settlement ..	—1,28,471
	7,342
Add.—On account of Departmental charges recovered for management of the private forests out of the income that accrued to the owner from the resin extraction lease and credited to the Sub-head R. II-c.	7,223
Total R. II-c. ..	14,565

Form No. 18.

General Progress of Regeneration during the year 1952-53 (Paragraph 27)

Division	Area regenerated during the year		Area afforested during the year	Total area	Cost of regeneration operations during the year including tending	Remarks		
	Mainly natural	Mainly artificial				Planted	Sown	Total
1	2	3	4	5	6	7	8	9
	Acres	Acres	Acres	Acres	Rs.			
Galis ..	..	344	..	344	2,029	63	281	344
Kagan ..	..	..	..	..	2,751	..	..	..
Total ..	..	344	..	344	4,780	63	281	344
Add : Amount spent on other forest not under concentrated regeneration of Galis Forest Division.	..	..	..	..	18,300		..	..
Add : Amount spent in Kagan Forests Division on Forests not under concentrated regeneration.	..	..	..	..	2,800	..	..	..
Amount spent on areas not under regular working plans in other Divisions.	..	..	..	..	1,61,209	..	..	..
Total B VIII D as per Form No. 24.	..	..	..	..	1,87,089	..	..	..

FORM No. 19.

Form

Outturn (in cubic feet solid in thousand) of Timber and Fuel

Paragraphs

Division	Timber in the rough (Logs)					Timber
	Government	Purchasers	Free Grantees	Right holders	Total	Government
1	2	3	4	5	6	7
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
					RESERVED	
Galis ..	..	..	..	..	..	..
Kagan ..	3	208	..	1	212	1
Northern ..	..	..	..	..	..	..
Total 1952-53 ..	3	208	..	1	212	1
Total 1951-52 ..	4	85	..	6	95	1
					GUZARA	
Kagan ..	..	..	5	..	5	..
Guzara ..	—	..	.	..	..	..
Working Plan ..	..	..	..	..	..	..
Total 1952-52 ..	..	..	5	..	5	..
Total 1951-52 ..	..	258	20	335	613	..
Grand Total 1952-53 ..	3	208	5	1	217	1
Grand Total 1951-52 ..	4	343	20	341	708	1

No. 19.

during the year, 1952-53, and Agency of Exploitation.

49—54.

in the rough (Poles)				Sawn or square timber				
Purchasers	Free grantees	Right Holders	Total	Govern. ment	Purchasers	Free grantees	Right Holders	Total
8	9	10	11	12	13	14	15	16
C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
FORESTS								
..	..	..	..	1	5	1	3	10
9	..	..	10	..	320	..	3	323
..	..	..	..	..	..	..	..	..
9	..	..	10	1	325	1	6	333
1	1	1	4	9	228	12	12	261
FORESTS								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	319	..	91	410
..	..	..	..	..	..	7	11	18
..	..	..	..	..	319	7	102	428
..	..	..	..	..	2	..	..	2
9	..	..	10	1	644	8	108	761
1	1	1	4	9	230	12	12	263

Form

Outturn (in cubic feet solid in thousands) of Timber and Fuel

Paragraphs

Division		Miscellaneous					Total	
		Govern-ment	Purcha-sers	Free grantees	Right Holders	Total	Govern-ment	Purcha-sers
1		17	18	19	20	21	22	23
		C. ft.	C, ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
								RESERVED
Galis	..	..	..	..	..	..	1	5
Kagan	..	..	..	..	..	..	4	537
Northern	..	..	..	..	..	..	..	..
Total 1952-53	..	..	..	..	..	..	5	542
Total 1951-52	..	..	..	..	..	..	14	314
								GUZARA
Kagan	..	..	..	..	..	..	..	..
Guzara	..	..	..	..	..	..	..	319
Working Plan	..	..	..	..	..	..	..	..
Total 1952-53	—	..	..	..	..	..	..	319
Total 1951-52	..	..	..	..	..	..	..	260
Grand Total 1952-53	..	..	..	..	..	..	5	861
Grand Total 1951-52	..	..	..	..	..	..	14	574

No. 19—concld.

during the year 1952-53, and Agency of Exploitation—concld.

49—54—concld.

timber			Fuel						
Free grantees	Right Holders	Total	Govern-ment	Purcha-sers	Free grantees	Right Holders	Total	Total Out-turn	Remarks
24	25	26	27	28	29	30	31	32	33
C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft	
FORESTS									
1	3	10	70	7	..	195	272	282	
..	4	545	..	8	254	121	383	928	
..	..	..	..	..	2	..	2	2	
1	7	555	70	15	256	316	657	1,212	
13	19	360	51	1	257	316	625	985	
FORESTS									
5	..	5	..	..	..	..	..	5	
..	91	410	..	..	..	1,502	1,502	1,912	
7	11	18	..	..	18	460	478	496	
12	102	433	..	..	18	1,962	1,980	2,413	
20	335	615	..	..	20	1,980	2,000	2,615	
13	109	988	70	15	274	2,278	2,637	3,625	
33	354	975	51	1	277	2,296	2,625	3,600	

Form No. 20.

Outturn of minor forest produce during the year 1952-53 (Paragraphs 49—54).

Description of produce	Produce removed or utilized: By Government agency — Quantity	Value	By purchasers — Quantity	Value	By free grants — Quantity	Value	By right holders — Quantity	Value	Total — Quantity	Value	Remarks
1	2	3	4	5	6	7	8	9	10	11	12
		Rs.		Rs.		Rs.		Rs.		Rs.	
Grazing by permits (cattle)	..	..	5,522	2,816	..	803	..	..	5,522	3,619	
Grazing under settlement (cattle)	..	..	..	..	..	..	16,299	12,389	16,299	12,389	
Grazing by leases (acres) ..	..	..	..	..	..	..	..	..	..	..	
Grass cutting by leases (acres).	..	..	24,111	4,087	..	..	..	..	24,111	4,087	
Grass cutting by permits (head loads).	..	..	..	147	..	..	..	..	..	147	
Grass cutting under concession (acres).	..	..	..	..	1,288	80	..	..	1,288	80	
Grass cutting under settlement (acres).	..	..	..	..	..	..	19,163	1,28,291	19,163	1,28,291	
Leaf fodder under settlement (acres).	..	..	..	..	..	..	844	100	844	100	
Crude resin (maunds) ..	13,983	1,55,386	..	..	..	..	..	..	13,983	1,55,386	
Seeds (maunds) ..	221	1,731	..	..	..	..	..	..	221	1,731	
Quarrying stones (cubic feet)	..	..	1,000	200	..	..	..	..	1,000	200	
Medicinal herbs ..	..	..	..	..	..	..	..	..	..	..	
Miscellaneous ..	214	919	..	..	..	..	..	..	214	919	
Total ..	14,418	1,58,036	30,633	7,250	1,288	883	36,306	1,40,780	82,645	3,06,949	

Grazing	..	..	..	5,522	2,816	..	803	16,299	12,389	21,821	16,008
Grass cutting	..	..	..	24,111	4,234	1,288	80	19,163	1,28,291	44,502	1,32,605
Leaf fodder	..	..	..	..	..	..	..	844	100	844	100
Crude resin	..	13,983	1,55,386	..	..	..	..	..	..	13,983	1,55,386
Other minor produce	..	435	2,650	1,000	200	..	..	..	..	1,435	2,850
Total	..	14,418	1,58,036	30,633	7,250	1,288	883	36,306	1,40,780	82,645	3,06,949

		Rs.
Total as per column No. 11	..	3,06,949
Add—(1) Value of stock in hand on 1st April, 1952.		13,409
(2) Outstanding on 31st March, 1952	..	..
(3) Value of grazing and grass cutting and stones quarrying fee realized in respect of Cherat Cantonment Forests to be refunded to the Cantonment Authorities	..	444
(4) Departmental charges recovered from the Income that accrued to private owners from the resin extraction lease of the forests under the management of the Department	..	7,223
Total	..	3,28,025
Carried over	..	3,28,025

		Rs.	Rs.
Brought forward	..	..	3,28,025
Deduct—(1) Value of produce removed by right-holders	..	1,40,780	
(2) Value of produce removed by the free grantees	..	883	
(3) Value of produce written off	..	758	
(4) Value of produce used departmentally	..	1,920	
(5) Value of produce supplied to other Divisions	..	380	
(6) Outstanding on 31st March, 1952	..	140	
(7) Value of stock in hand on 1st April, 1952	..	12,067	
Total	..	1,56,928	1,56,928
Total RI-c, RII-c and RII-d as per Form No. 24	..	..	1,71,097

ABSTRACT.

		Rs.
R. I-c	..	1,56,180
R. II-c	..	14,565
R. II-d	..	352
Total	..	1,71,097

Form No. 21

Account of timber and other produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during the year, 1952-53 (Paragraph 55)

Name of Division	Balance at commencement of the year in forests and sale depot	Received during the year	Total	Disposed of during the year	Balance in hand at close of the year in forest and sale depot
1	2	3	4	5	6
			TIMBER		
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Galis ..	1,563	3,205	4,768	4,062	706
Kagan ..	4,229	8,201	12,430	11,556	874
Guzara ..	..	2,449	2,449	2,425	24
Total ..	5,792	13,855	19,647	18,043	1,604
		(FUEL) Cubic feet.			
Galis ..	19,110	70,260	89,370	49,962	39,408
Kagan ..	..	7,542	7,542	7,542	..
Guzara ..	..	274	274	274	..
Total ..	19,110	78,076	97,186	57,778	39,408
		(MINOR FOREST PRODUCE.)			
Galis ..	712	65,210	65,922	65,922	..
Kagan ..	12,697	92,826	1,05,523	93,456	12,067
Guzara ..	..	..	..	..	..
Total ..	13,409	1,58,036	1,71,445	1,59,378	12,067

Form No. 22

Abstract showing the value of timber and other produce of sale depots for the year, 1952-53 (paragraph 62)

Description of timber and other produce	On hand at commencement of the year			On hand at close of the year			Difference in Value		Remarks
	Number	Cubic feet	Value	Number	Cubic feet	Value	In favour of the year	Against the year	
1	2	3	4	5	6	7	8	9	10
			Rs.			Rs.	Rs.	Rs.	
TIMBER									
I SALE DEPOTS									
Nil									
II OTHER DEPOTS									
Scantling ..	..	5,792	10,900	..	1,604	2,855	..	8,045	
FIREWOOD (I SALE DEPOTS)									
Firewood (Cubic feet) stacked.	..	3,998	1,739	..	240	105	..	1,634	
II OTHER DEPOTS									
Ditto ..	..	15,112	945	..	39,168	2,448	1,503	..	
Total Firewood	..	19,110	2,684	..	39,408	2,553	..	131	
MINOR FOREST PRODUCE									
(I SALE DEPOTS)									
Nil									
II OTHER DEPOTS									
Seed (Mds.) ..	..	5—15	71	..	1—24	27	..	44	
Resin (Mds.)	..	157—20	2,019	..	27—1	324	..	1,695	
Miscellaneous	..	..	..	..	..	..	..	..	
Total Minor produce.	..	162—35	2,090	..	28—25	351	..	1,739	
ABSTRACT									
Sale depots ..	..	..	1,739	..	..	105	..	1,634	
Other depots	..	..	13,935	..	..	5,654	..	8,281	
Total ..	..	..	..	..	..	..	..	..	

Form

Data of Annual Report Form No. 23 for the year 1952-53

Description	Division	Balance on 1-4-1952		New purchases		Total	
		Number	Value	Number	Value	Number	Value
1	2	3	4	5	6	7	8
			Rs.		Rs.		Rs.
Instruments ..	Direction ..	3	8	..	..	3	8
	Galis ..	79	968	4	52	83	1020
	Kagan ..	32	213	1	35	33	248
	Working Plan ..	17	100	..	..	17	100
	Hazara Anti-erosion	186	912	..	..	186	912
	Guzara ..	14	57	..	..	14	57
	Northern ..	117	596	6	150	123	746
	Mardan ..	82	284	3	60	85	344
	Kohat ..	65	1,390	10	313	75	1,703
	Total Instruments.—	595	4,528	24	610	619	5,138
Tents ..	Direction ..	8	91	..	..	8	91
	Galis ..	17	43	..	..	17	43
	Kagan ..	15	66	..	..	15	66
	Working Plan ..	7	..	..	..	7	..
	Hazara Anti-erosion	11	384	..	..	11	384
	Guzara ..	2	590	4	1,320	6	1,910
	Northern ..	15	114	..	..	15	114
	Mardan ..	3	178	..	..	3	178
	Kohat ..	2	..	..	..	2	..
	Total Tents ..	80	1,466	4	1,320	84	2,786

No 23.

Forest Department, North-West Frontier Province, (Paragraph 61)

Disposal		Balance on 31-3-1952		Depriciation		Remarks
Number	Value	Number	Value	Number Rate	Value	
9	10	11	12	13	14	15
	Rs.		Rs.		Rs.	
..	..	3	8	5 per cent	..	
3	..	80	972	..	48	
12	..	21	237	..	11	
..	..	17	95	..	5	
..	..	186	866	..	46	
..	..	14	54	..	3	
..	..	123	709	..	37	
5	..	80	330	..	14	
1	..	74	1,634	..	69	
21	..	598	4,905	..	233	
..	..	8	73	20% Hills	18	
..	..	17	34	10% Plains	9	
..	..	15	33	..	13	
..	..	7	..	..	..	
..	..	11	307	..	77	
..	..	6	1,792	..	118	
..	..	15	103	..	11	
..	..	3	160	..	18	
..	..	2	..	..	..	
..	..	84	2,522	..	264	

Form

Data of Annual Report Form No. 23 for the year 1952-53

Description	Division	Balance on		New purchases		Total	
		Number	Value	Number	Value	Number	Value
1	2	3	4	5	6	7	8
			Rs.		Rs.		Rs.
Tools ..	Direction ..	37	111	3	10	40	121
	Galis ..	1,141	407	29	171	1,170	578
	Kagan ..	1403	2,042	17	146	1,420	2,188
	Working Plant ..	30	..	27	222	57	222
	Hazara Anti-Erosion.	1,461	2,915	50	263	1,511	3,178
	Guzara ..	..	..	..	..	..	..
	Northern ..	33	202	..	..	33	202
	Mardan ..	146	990	..	..	146	990
	Kohat ..	1,081	1,043	230	1,153	1,311	2,196
	Total Tools.—	5,332	7,710	356	1,965	5,688	9,675
Arms and ammunition.	Direction ..	112	91	..	..	112	91
Ropeway ..	Galis ..	65	147	..	..	65	147
	Northern ..	500	24	..	..	500	24
	Total. - ..	565	171	..	..	565	171
Furniture ..	Direction ..	345	1,466	16	109	361	1,575
	Galis ..	2,913	6,154	46	617	2,959	6,771
	Kagan ..	2,893	5,980	528	6,458	3,421	12,438
	Working Plan ..	67	754	7	85	74	839
	Hazara Anti-erosion.	200	482	..	..	200	482
	Guzara ..	173	3,045	11	1,007	184	4,052
	Northern ..	394	2,534	..	..	394	2,534
	Mardan ..	241	7,383	4	32	245	7,415
	Kohat ..	182	3,366	23	1,015	205	4,381
	Total Furniture ..	7408	31,164	635	9,323	8,043	40,487

No. 23—contd.

Forest Department North-West Frontier Province (Paragraph 61)

Disposal		Balance on 31-3-1952		Depriciation		Remarks
Number	Value	Number	Value	Number Rate	Value	
9	10	11	12	13	14	15
	Rs.		Rs.		Rs.	
3	..	37	99	20%	22	
164	..	1,006	497	..	81	
264	..	1,156	1,780	..	408	
6	..	51	222	..	..	
..	..	1,511	2,595	..	583	
..	..	..	..	..	..	
..	..	33	162	..	40	
..	..	146	792	..	198	
21	..	1,290	1,988	..	208	
458	..	5,230	8,135	..	1,540	
..	..	112	73	20%	18	
..	..	65	140	5%	7	
..	..	500	23	..	1	
..	..	565	163	..	8	
2	..	359	1,428	10%	147	
1	..	2,958	6,156	..	615	
27	..	3,394	11,840	..	598	
..	..	74	764	..	75	
..	..	200	434	..	48	
..	..	184	3,747	..	305	
..	..	394	2,281	..	253	
16	..	229	6,677	..	738	
..	..	205	4,044	..	337	
46	..	7,997	37,371	..	3,116	

Form

Data of Annual Report Form No. 23 for the year 1952-53

Description	Division	Balance on		New purchases		Total	
		Number	Value	Number	Value	Number	Value
1	2	3	4	5	6	7	8
			Rs.		Rs.		Rs.
Miscellaneous	Direction ..	38	9,093	..	..	38	9,093
	Galis ..	770	810	107	175	877	985
	Kagan ..	1,044	652	..	..	1,044	652
	Working Plan ..	14	97	3	9	17	106
	Hazara Anti-erosion.	51	114	12	492	63	606
	Guzara ..	252	1,338	..	..	252	1,338
	Northern ..	193	550	37	223	230	773
	Mardan ..	235	2,027	46	283	281	2,310
	Kohat ..	52	205	2	8	54	213
	Total Miscellaneous—	2,649	14,886	207	1,190	2,856	16,076
Buildings ..	Galis ..	74	86,190	..	..	74	86,190
	Kagan ..	48	73,119	..	21,889	48	95,008
	Guzara ..	4	8,999	5	15,488	9	24,487
	Northern ..	8	4,972	..	..	8	4,972
	Kohat ..	4	..	1	..	5	..
	Total Buildings ..	138	1,73,280	6	37,377	144	2,10,657
	Grand Total ..	16,879	2,33,296	1,232	51,785	18,111	2,85,081

No. 23—contd.

Forest Department, North-West Frontier Province, (Paragraph 61)

Desposal		Balance on		Discription		Remarks
Number	Value	Number	Value	Number Rate	Value	
9	10	11	12	13	14	15
	Rs.		Rs,		Rs,	
..	..	38	7,274	20%	1,819	
397	..	480	823	..	162	
1	..	1,043	522	..	130	
..	..	17	87	..	19	
..	..	63	583	..	23	
..	..	252	1,070	..	268	
..	..	230	663	..	110	
2	..	279	1,905	..	405	
10	..	44	172	..	41	
410	..	2,446	13,099	..	2,977	
..	..	74	84,035	2½%	2,155	
..	..	48	93,180	..	1,828	
..	..	9	24,262	..	225	
..	..	8	4,848	..	124	
..	..	5	..	..	..	
..	..	144	2,06,325	..	4,332	
935	..	17,176	2,72,593	..	12,488	

Form No. 23—concld.

Abstract showing value of live and dead stock for the year 1952-53 (Paragraph 61)

Description of live and dead stock	On hand at the commencement of the year		On hand at the close of the year		Difference in value		Depreciation	Written off	Transferred to other Division	New purchase	Transferred from other Division
	No.	Value	No.	Value	In favour of the year	Against the year					
1	2	3	4	5	6	7	8	9	10	11	12
		Rs.		Rs.	Rs.	Rs.	Rs.	Rs.			
ive stock ..	..	..	..	..	..	..	..	..	..	..	..
ead stock :—									..	..	
nstruments ..	595	4,528	598	4,905	377	..	233	21	..	..	..
ents ..	80	1,466	84	2,522	1,056	..	264	..	..	..	..
ools ..	5,332	7,710	5,230	8,135	425	..	1,540	458	..	..	..
opeway ..	565	171	565	163	..	8	8	..	..	..	..
ms and Ammunition.	112	91	112	73	..	18	18	..	..	..	..
urniture ..	7,408	31,164	7,997	37,371	6,207	..	3,116	46	..	..	..
iscellaneous ..	2,649	14,886	2,446	13,099	..	1,787	2,977	410	..	..	..
uildings ..	138	1,73,280	144	2,06,325	33,045	..	4,332	..	..	..	..
Total ..	16,879	2,33,296	17,176	2,72,593	39,297	..	12,488	935	..	..	..

FORM No. 24

Annual Report

Summary of
(paragraphs

Budget sub-heads	Direction	Galis	Kagan	Hazara Anti-Erosion
	Rs.	Rs.	Rs.	Rs
REVENUE				
I. Timber and other Forest produce removed from the forests by Government Agency—				
(a) Timber ..	..	..	1,058	..
(b) Firewood and Charcoal.	..	20,223	..	..
(c) Grass and other minor produce ..	..	63,364	92,816	..
Total R-I ..	..	83,587	93,874	..
II. Timber and other produce removed from the forests by consumers or purchasers--				
(a) Timber ..	..	26,868	5,29,517	..
(b) Firewood and Charcoal.	..	900	1,073	..
(c) Grazing and fodder grass.	..	4,749	1,051	..
(d) Other minor produce ..	..	200	..	..
Total R-II ..	..	32,717	5,31,641	..
III. Drift waif and confiscated forest produce.	..	2,859	2,07,429	..
Total R-III ..	..	2,859	2,07,429	..
IV. Revenue from forests not managed by Government Agency—				
(a) Duty on foreign timber and other produce ..	..	..	3,969	..
(b) Revenue from shared and private forests ..	..	..	..	..
Total R-IV ..	..	..	3,969	..
V. Miscellaneous—				
(a) Fines and forfeitures ..	..	2,000	12,112	..
(b) Other sources ..	..	45,417	9,706	1,461
(c) Shisham receipts ..	..	..	..	..
(d) Recovery on account of Leave Salary contribution ..	..	..	..	..
Total R-V ..	..	47,417	21,818	1,461
VI. Deduct Refund ..	..	4,523	10,453	..
Total R-VI ..	..	4,523	10,453	..
Net Grand Total Revenue X-Forest ..	..	1,62,057	8,48,278	1,461

Form No. 24.

Revenue and Expenditure of the different Divisions during 1952-53. 56—59).

Guzara	Working Plan	Northern	Mardan	Kohat	Total
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	1,163	..	214	2,935
..	..	..	..	..	20,223
..	..	..	..		1,56,180
..	..	1,163	..	214	1,79,338
1,753	7.349	35	612	..	5,66,134
295	41	59	2	..	2,370
..	7,223	860	..	682	14,565
..	..	152	..	..	352
2,048	14,613	1,106	614	682	5,83.421
13,088	48.725	9,698	..		2.81,799
13,088	48,725	9,698	..	..	2,81,799
..	..	6,02,733	..	..	6,06,703
6,003	..	..	..		6,003
6,003	..	6,02,733	..	..	6,12,706
..	..	..	..	..	14,112
1,10,422	6,109	92,549	2,804	1,17,570	3.86,038
..	..	..	97.852	.	97.852
..	..	..	..	..	..
1,10.422	6,109	92,549	1,00,656	1,17.570	4.98,002
..	..	..	..	..	14,976
..	..	..	..	..	14,976
1,31,561	69,447	7.07,750	1,01,270	1,18,466	21,40,290

Annual Report

Summary of revenue and expenditure
(Paragraphs

Budget sub-head	Direction	Galis	Kagan	Hazara Anti-erosion Division
	Rs.	Rs.	Rs.	Rs.
EXPENDITURE.				
B—Conservency and Works.				
I—Timber and other produce removed from the forests by Government Agency—				
(a) Timber ..	..	..	..	..
(b) Firewood and charcoal	..	14,306	200	..
(c) Grass and other minor produce.	..	38,698	34,554	..
Total B. I ..	..	53,004	34,754	..
II—Timber and other produce removed from the forests by consumers and purchasers..	..	585	1,313	..
Total B. II ..	..	585	1,313	..
III—Drift and waif wood and confiscated forest produce ..	..	247	732	..
Total B. III ..	..	247	732	..
IV—Expenditure on forests not managed by Government Agency—				
(a) Duty on foreign timber and other forest produce ..	..	..	..	..
(b) Expenditure on shared and private forests ..	..	..	..	..
Total B. IV ..	..	..	..	..
V—Rent of leased forests and payment to share holders in forests managed by Government ..	..	881	..	..
Total B. V ..	..	881	..	..
VI—Live stock, stores, tools and plants—				
Purchase of stores, tools and plants ..	118	1,053	7,813	761
Total B. VI ..	118	1,053	7,813	761

Form No. 24.—contd.

of the different divisions during 1952-53.
56—59).—contd.

Guzara	Working plan	Northern	Mardan	Kohat	Total
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..			..	..	..
..	..	..	..	..	14,506
24	..	..	.		73,276
24	..	..	..	..	87,782
2,429	286	..	..		4,613
2,429	286	..	..	..	4,613
30	3,446	16,622	..	..	21,077
30	3,446	16,622	..		21,077
..	..	713	..		713
..	..	..	..	..	..
..	..	713	..	..	713
10	..	..	..	..	891
10	..	..	..	..	891
2,302	391	394	20	2,489	15,341
2,302	391	394	20	2,489	15,341

Summary of
(Paragraphs

Budget head	Direction	Galis	Kagan	Hazara anti-erosion Division
	Rs.	Rs	Rs.	Rs.
EXPENDITURE - contd.				
B—CONSERVANCY AND WORKS—concld.				
VII—Communication and buildings—				
(a) Roads and bridges ..	..	8,188	19,221	..
(b) Buildings ..	..	16,497	24,288	..
(c) Other works ..	234	5,560	513	..
Total B. VII ..	234	30,745	44,022	..
VIII—Organization, Improvement and extension of forests—				
(a) Demarcation ..	..	2,235	709	538
(b) Costs of forests settlement, compensation for lands and rights ..	..	..	..	..
(c) Revision of working plan ..	..	..	..	..
(d) Sowing and planting..	..	20,329	5,551	67,455
(e) Protection from fire ..	..	559	1,395	..
(f) Other works ..	..	..	1,397	..
Total B. VIII ..	..	23,123	9,052	67,993
IX—Miscellaneous—				
(a) Law charges ..	..	386	..	..
(b) Miscellaneoue charges ..	300	3,286	5,755	4,394
(c) Other charges ..	439	3,380	5,435	1,946
Total B. IX ..	739	7,052	11,190	6,340
XI—Shisham exploitation ..	..	..	..	..
Total B. XI ..	..	..	..	..
Deduct—charges recoverable from other Government.	..	7,950	698	..
Total B—Conservancy and Works	1,091	1,08,240	1,08,178	75,094

Form No. 24—contd.

revenue and expenditure of the different divisions during 1952-53.
56—59)—contd.

Guzara	Working plan	Northern	Mardan	Kohat	Total
Rs.	Rs	Rs.	Rs.	Rs.	Rs.
495	10,000	5,654	..	..	34,558
15,634	..	1,013	..	140	57,572
162	..	250	..	214	6,933
16,291	10,000	6,917	..	354	99,063
..	..	153	462	3,321	7,418
..	..	..	..	..	..
..	..	..	..	..	..
3,206	103	6,788	14,156	69,500	1,87,088
986	227	..	..	..	3,167
..	..	..	..	..	1,397
4,192	330	6,941	14,618	72,821	1,99,070
..	..	..	..	..	386
997	..	3,225	1,008	28,924	47,889
3,037	805	1,533	7,115	398	24,088
4,034	805	4,758	8,123	29,322	72,363
..	..	..	2,37,457	..	2,37,457
..	..	..	2,37,457	..	2,37,457
586	..	..	..	3,873	13,105
28,728	6,258	36,345	2,60,218	1,01,113	7,25,265

Annual Report

Summary of
(Paragraphs

Budget Sub-head	Direction	Galis	Kagan	Hazara Anti-erosion Division
	Rs.	Rs.	Rs.	Rs.
EXPENDITURE—concld.				
C—ESTABLISHMENT.				
I—Pay of Officers ..	12,957	11,558	5,821	4,615
Total C. I ..	12,957	11,558	5,821	4,615
II. Pay of Establishment –				
(a) Subordinate, Forest and Depot Establishment ..	..	29,977	24,267	18,352
(b) Office establishment ..	12,652	4,457	3,920	3,817
(c) Temporary establishment	1,822	9,362	10,456	702
Total C. II ..	14,474	43,796	38,643	22,871
III– Allowances and Honoraria—				
(a) Headquarter allowance..	586	519	300	237
(b) Travelling allowance—				
(i) Officers ..	4,330	2,324	1,884	1,114
(ii) Subordinate staff..	..	3,285	3,581	2,221
(iii) Office establishment	733	803	1,239	508
(c) Dearness allowance ..	8,046	39,809	31,758	21,357
Total C. III ..	13,695	47,280	38,762	25,437
IV—Contingencies–				
(a) Stationery ..	128	231	76	162
(b) Carriage of tools and Offiee records ..	76	710	1,080	462
(c) Rents, rates and Taxes..	..	255	..	757
(d) Official postage ..	601	450	630	200
(e) Miscellaneous ..	6,616	2,850	1,832	1,592
Total C. IV ..	7,421	4,496	3,618	3,173
V—Grants-in-aid Contribution ..	..	..	..	..
Total C. V ..	..	..	..	..
VI—Charges payable to other Government Departments ..	15,164	..	..	..
Total C. VI ..	15,164	..	..	..
Total C—Establishment ..	63,711	1,07,130	86,844	56,096

Form No. 24—contd.

revenue and expenditure of the different divisions during 1952-53.
56—59)—contd.

Guzara	Working plan	Northern	Mardan	Kohat	Total
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
4,417	3,238	3,652	5,765	5,344	57,367
4,417	3,238	3,652	5,765	5,344	57,367
42,819	4,415	13,435	10,215	16,431	1,59,911
6,190	194	2,146	3,138	4,420	40,934
5,233	6,259	2,277	351	2,979	39,441
54,242	10,868	17,858	13,704	22,830	2,40,286
300	130	..	..	336	2,408
2,423	1,025	1,250	2,041	2,793	19,184
3,578	1,270	2,562	1,078	2,704	20,819
749	513	738	548	490	6,371
50,294	9,396	14,813	13,447	17,888	2,06,808
57,394	12,334	19,363	17,114	24,211	2,55,590
50	59	92	..	89	887
260	722	328	538	536	4,712
798	..	1,425	420	1,336	4,991
500	140	475	700	715	4,411
2,747	604	1,165	1,850	2,122	21,378
4,355	1,525	3,485	3,508	4,795	36,380
..	..	..	..	..	..
..	..	..	..	..	..
..	..	..	..	..	15,164
..	..	..	..	..	15,164
1,20,408	27,965	44,358	40,091	58,183	6,04,786

Annual Report

Summary of
(Paragraphs

Budget sub-head	Direction	Galis	Kagan	Hazara Anti-erosion Division.
	Rs.	Rs.	Rs.	Rs.
TOTAL EXPENDITURE.				
Deduct—charges recoverable from other Government.	..	..	..	..
Net Total C—Establishment ..	63,711	1,07,130	86,844	56,096
Add Total net B Conservancy and Works.	1,091	1,08,240	1,08,178	75,094
Expenditure in England	1,130	..	..	..
Loss or Gain by Exchange ..	..	..	..	..
Total 10—Forests ..	65,932	2,15,370	1,95,022	1,31,100
Surplus or deficit ..	—65,932	—53,313	6,53,756	—1,29,729

Form No. 24—concld.

revenue and expenditure of the different Divisions during 1952-53.
56—59)—concld.

Guzara	Working plan	Northern	Mardan	Kohat	Total
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	1,627	1,627
1,20,408	27,965	44,358	40,091	56,556	6,03,159
28,728	6,258	36,345	2,60,218	1,01,113	7,25,265
..	..	..	..	..	1,130
..	..	..	..	..	..
1,49,136	34,223	80,703	3,00,309	1,57,669	13,29,554
−17,575	35,224	6,22,974	− 1,99,039	−39,203	8,06,663

FORM No. 26.

Revenue received and outstandings on account of Revenue during 1952-53 (paragraph 60)

Division	Particulars	Outstanding at commencement of year	Value of sales and other revenue during the year	Total	Amount realized during the year	Balance due to the Forest Department at the end of year	Remarks
1	2	3	4	5	6	7	8
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Direction ..	..	..	..	..	..	..	
Galis ..	..	..	1,62,247 2 2	1,62,247 2 2	1,62,057 2 2	190 0 0	
Kagan ..	..	3,66,493 15 3	15,30,092 5 3	18,96,586 4 6	8,48,277 13 7	10,48,308 6 11	
Guzara ..	..	12,933 13 0	1,18,626 14 0	1,31,560 11 0	1,31,560 11 0	..	
Northern ..	..	943 11 0	7,07,757 7 6	7,08,701 2 6	7,07,749 15 6	951 3 0	
Working Plan ..	..	..	78,476 14 6	78,476 14 6	69,446 12 3	9,030 2 3	
Mardan ..	..	..	3,418 2 0	3,418 2 0	3,418 2 0	..	
Kohat ..	..	..	1,18,466 3 0	1,18,466 5 0	1,18,466 5 0	..	
Hazara Anti-Erosion ..	..	..	1,461 6 0	1,461 6 0	1,461 6 0	..	
Total for 1952-53 ..	..	3,80,371 7 3	27,20,546 8 3	31,00,918 12 8	20,42,438 3 6	10,58,479 12 2	
Total for 1951-52 ..	..	2,37,996 5 7	12,60,895 11 3	14,98,892 0 10	11,18,520 9 6	3,80,371 7 3	

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FORM No. 27.

Outstanding and liabilities on account of Contractors and Disbursers for 1952-53. (Paragraph 60)

Division	Departmental debtor			Departmental creditor			Balance due	
	Opening balance on	Recoveries in cash or value of supply made work done or during the year	Total	Opening balance on	Payments made during the year	Total	To Department (outstandings)	To Department (liabilities)
1	2	3	4	5	6	7	8	9
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Direction ..	24 12 0	28,694 1 9	28,718 13 9	..	28,746 0 0	28,746 0 0	27 2 3	..
Galis ..	..	1,86,530 9 7	1,86,530 9 7	34 13 11	1,86,527 6 6	1,86,562 4 5	31 10 10	..
Kagan ..	..	1,91,024 7 9	1,91,024 7 9	6 15 9	1,91,027 15 6	1,91,034 15 3	10 7 6	..
Northern ..	..	76,709 5 9	76,709 5 9	234 0 3	76,581 5 3	76,815 5 6	105 15 9	..
Mardan ..	..	2,72,190 10 9	2,72,190 10 9	2 7 6	2,72,189 15 0	2,72,192 6 6	1 11 9	..
Kohat ..	34 13 11	1,74,292 4 2	1,74,327 2 1	..	1,74,290 10 8	1,74,290 10 8	..	36 7 5
Working Plan ..	..	31,218 14 9	31,218 14 9	1 0 3	31,218 11 6	31,219 11 9	0 13 0	..
Hazara Anti-Erosion ..	..	1,23,585 4 3	1,23,585 4 3	3 5 6	1,23,583 9 6	1,23,586 15 0	1 10 9	..
Guzara ..	..	1,35,849 5 11	1,35,849 5 11	1 3 7	1,35,852 13 8	1,35,854 1 3	4 11 4	..
Total ..	59 9 11	12,20,095 0 8	12,20,154 10 7	283 14 9	12,20,018 7 7	12,20,302 6 4	184 3 2	36 7 5

Statistical Appendix No. 1 (Paragraph 15)

Forest Division	Cases taken to Court.				Cases compounded			
	Injury to forest by fire	Un-authoris-ed felling	Un-authoris-ed grazing	Other offences	Injury to forest by fire	Un-authoris-ed felling	Un-authoris ed grazing	Other offences
1	2	3	4	5	6	7	8	9
Galis ..	..	1,294	732	638	..	913	716	761
Kagan ..	..	162	70	203	..	126	278	422
Northern ..	..	..	19	82	..	1	197	311
Kohat ..	..	13	52	1	..	91	230	..
Guzara ..	..	1,078	..	756	..	401	..	734
Hazara Anti-Erosion.	..	16	162	444	.	10	190	221
Mardan ..	..	..	25	..	..	..	406	132
Working Plan..	..	28	10	443	..	206	7	254
Total 1952-53..	..	2,591	1,070	2,567	..	1,748	2,024	2,835
	(6228)				(6,607)			
1949-50 ..	..	1,180	845	1,681	..	1,651	1,689	1,934
1950-51 ..	..	1,592	1,625	1,010	..	1,398	2,268	2,452
1951-52 ..	12	2,628	1,376	2,074	..	2,159	3,477	2,968
Total ..	12	5,400	3,846	4,765	..	5,208	7,434	7,354
Average for past three years.	4	1,800	1,282	1,588	..	1,736	2,478	2,451
	4,674				6,665			

Statistical Appendix No. 1 (Paragraph 15)—concld.

Forest Division	Cases detected				Total Cases				
	Injury to forest by fire	Un-authorised felling	Un-authorised grazing	Other offences	Injury to forest by fire	Un-authorised felling	Un-authorised grazing	Other offences	Grand Total
1	10	11	12	13	14	15	16	17	18
Galis ..	..	..	..	..	..	2,207	1,448	1,399	5,054
Kagan ..	..	..	..	..	..	288	348	625	1,261
Northern ..	..	..	..	..	..	1	216	393	610
Kohat ..	..	9	9	..	..	113	291	1	405
Guzara ..	..	..	..	..	..	1,479	..	1,490	2,969
Hazara Anti Erosion.	..	3	10	19	..	29	362	684	1,075
Mardan ..	..	..	..	..	..	..	431	132	563
Working Plan	..	..	..	..	..	234	17	697	948
Total 1952-53	..	12	19	19	..	4,351	3,113	5,421	12,885
	(50)				(12,885)				
1949-50 ..	..	7	..	9	..	2,838	2,534	3,624	8,996
1950-51 ..	..	26	48	...	..	3,016	3,941	3,462	10,419
1951-52 ..	..	11	109	71	12	4,798	4,962	5,113	14,885
Total ..	..	44	157	80	12	10,652	11,437	12,199	34,300
Average for past 3 years.	..	15	52	27	4	3,551	3,812	4,066	11,433
	94				11,433				11,433

Statistical Appendix II (Paragraphs 19-20).

Serial No. of fire.	Forest	Area burnt in acres	Details of prosecution for offences by fires.				Remarks
			Character of offence whether carelessness or intentional	Whether acquitted or convicted	Section under which convicted	Amount of punishment	
1	Batkar ..	820	Intentional ..	..	..	..	Pending.
2	Kakh ..	200	Do. ..	..	..	..	Do.

Statistical Appendix (III) (Paragraph 27)

Statement showing the progress of concentrated regeneration (mainly natural) upto 31st March, 1953.

Name of Working Plan and Working Circle.	Principal species.	Regeneration period	Total area to be regenerated	Normal progress of regeneration by 31st March 1953	Area of fully established regeneration by 31st March, 1931			Percentage of the "normal" established by 31st March, 1953	Remarks
					Previous	During the year	Total		
1	2	3	4	5	6	7	8	9	10
			Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	
Lower Siran and Agror Working Plan	Chir ..	41 years from 1935-36.	8,474	4,393	4,206	..	4,206	96	
Khanpur Working Plan.	Chir ..	20 years from 1924-25.	964	964	400	..	400	41.5	

Statistical Appendix IV.

Foreign timber and trade return for the year 1952-53 (Pafagraph 79)

Serial No.	Source	Logs and poles					Scantlings					Grand Total	Fire-wood maunds
		Deodar Cft.	Blue Pine Cft.	Chir Cft.	Fir Cft.	Total Cft.	Deodar Cft.	Blue Pine Cft.	Chir Cft.	Fir Cft.	Total		
	BY RIVER												
1	Indus Kohistan, Swat Kohistan.	1,96,077	59,612	59,784	43,305	3,28,778	2,91,095	..	58,172	26,468	3,45,735	6,74,513	..
2	Chitral ..	..	..	..	..	..	..	..	..	..	..	..	..
3	Afghanistan ..	..	..	..	..	..	..	..	..	..	..	..	..
	Total by river ..	1,96,077	59,612	59,784	43,305	3,28,778	2,91,095	..	58,172	26,468	3,45,735	6,74,513	..
	BY LAND												
4	Tribal Territory between Indus and Kabul River	..	..	185	..	185	..	..	5	..	5	190	54,960
5	Swat State ..	..	..	..	..	..	..	..	..	..	..	..	..
6	Chitral State ..	..	..	..	..	..	..	..	..	..	..	..	..
7	Hazara Tribal Territory	..	..	..	..	..	..	..	..	..	..	—	..
8	Azad Kashmir ..	..	..	..	..	..	..	9,901	..	5,950	15,851	15,851	50
9	Afghanistan (Khost and Zaidran).	97,924	7,480	29	..	1,05,433	18,69,862	968	..	10,054	18,80,884	19,86,317	..
	Total by land ..	97,924	7,480	214	..	1,05,618	18,69,862	10,869	5	16,004	18,96,740	20,02,358	55,010
	Grand Total ..	2,94,001	67,092	59,998	43,305	4,34,396	21,30,957	10,869	58,177	42,472	22,42,475	26,76,871	55,010

Statistical Appendix V (Paragraph 74).

Trading and profit and loss account for the year ending the 31st March, 1953, of the Shisham Exploitation Scheme.

Trading Account.

Dr.	Rs.		Rs. Cr.
To opening stock ..	27,772	By sale of timber ..	1,00,291
To felling, logging and loading ..	18,738	By closing stock ..	1,54,037
To royalty paid to irrigation Department.	3,635		
To repairs to Canal Roads ..	..		
To returns due to cancellation of sales 1951-52.	..		
To gross profit transferred to profit and loss account.	1,54,183		
Total ..	2,54,328	Total ..	2,54,328

Profit and Loss Account.

	Rs.		Rs.
To gross profit or loss ..	..	By gross profit ..	1,54,183
To pay of Officers ..	47,899		
To travelling allowances ..	1,654	By miscellaneous receipt ..	1,028
To other allowances ..	56,094		
To contingencies charges ..	6,256		
To share of pay of D. F. O. and office establishment.	8,998		
To bad and doubtful debts ..	..		
To miscellaneous expenses ..	1,001		
To depriciation charges at 10 per cent. { Buildings .. Plants and machinery..	625		
To supervision charges ..	485		
To audit charges at 1 per cent. ..	1,385		
To interest on capital at 3 per cent.	1,220		
To leave and pensionary charges..	1,004		
To royalty payble ..	14,295		
To net profit transferred to balance sheet.	14,295		
Total ..	1,55,211	Total ..	1,55,211

STATISTICAL APPENDIX V. (PARAGRAPH 74).

Balance sheet as on the 31st March, 1953.

Liabilities	Amount Rs.	Amount Rs.	Assets	Amount Rs.	Amount Rs.
Sundry Creditors—			Building and sheds on 1st April, 1952 ..	932	..
Trade Creditors ..	..	..	Addition during the year ..	..	..
(Wages and salary payable) ..	5,615	5,715	*Less* depriciation during the year ..	93	839
Reserved for expenditure due to Government—			Plants and machinery as on 1st April, 1952 ..	5,319	..
(1) Management and Supervision charges.	(a) 9,483	..	Addition during the year ..	..	..
			Less depriciation during the year ..	532	4,787
(2) Audit charges at 1 per cent. ..	1,385	..	Stock in hand on 31st March, 1953 ..	..	—1,54,037
(3) Interest on capital at 3 per cent. ..	1,220	..	Sundry debtors (a) ..	3,874	3,874
(4) Leave and pensionary charges ..	1,004	13,092	Deduct amount of doubtful debts ..	..	..
Government Capital—			Government cash and adjustment on 1st April, 1952..	—7,078	..
On 1st April, 1952 ..	40.670	..	Add paid into treasuries ..	—97,852	..
Additional capital incurred during the year.	..	..	Adjusted against Government ..	..	..
			Loss of last year ..	..	..
				—90,774	
Royalty payable to P. W. D. ..	14,295	..			
Net profit and loss account ..	14,295	28,590	*Less* drawn from treasuries ..	—1,38,459	..
			Adjustable expenditure of 1951-52 ..	—15,603	..
			Adjusted against Government ..	—12,182	—75,470
Total ..	..	88,067	Total ..	—1,66,244	88,067